# DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2000/2001 BIENNIAL BUDGET ESTIMATES



# JUSTIFICATION OF ESTIMATES FEBRUARY 1999

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS BUDGET ACTIVITY 1

#### UNCLASSIFIED

Exhibit P-1

#### Department of the Navy

#### FY 2000/2001 Procurement Program

APPROPRIATION: 1508N Procurement of Ammunition, Navy/Marine Corps DATE: February 1999 TOA, \$ IN MILLIONS (DOLLARS) -----S ----FY 1998--- ----FY 1999---- E LINE IDENT FY 2000 ITEM NOMENCLATURE NO CODE UNIT COST QUANTITY COST QUANTITY COST QUANTITY COST C -----BUDGET ACTIVITY 01: Navy Ammunition Navy Ammunition 1 0145 General Purpose Bombs 16.6 31.7 77.9 25.0 U 2 0148 JDAM 641 В 45,303 547 25.1 745 37.8 785 35.6 29.6 U 3 0150 2.75 Inch Rockets 15.5 16.1 21.2 21.6 U Α 4 0155 Machine Gun Ammunition 9.4 8.8 9.2 10.3 U 5 0160 Practice Bombs 46.5 55.0 49.1 54.7 U 6 0180 Cartridges & Cart Actuated De A 27.3 U 24.0 25.9 26.8 7 0181 Aircraft Escape Rockets 8.2 10.3 10.5 10.7 U 34.3 8 0182 Air Expendable Countermeasure A 22.2 28.9 43.1 U 9 0184 Marine Location Markers .6 1.3 – U 10 0194 JATOS 4.4 3.9 5.0 5.0 U 11 0250 5 Inch/54 Gun Ammunition 49.1 21.8 15.8 19.6 U 12 0253 Extended Range Guided Munitio B 27.4 3.0 24.5 U 13 0260 CIWS Ammunition .5 . 7 – U 14 0265 76mm Gun Ammunition 3.4 3.8 7.0 8.8 U 15 0270 Other Ship Gun Ammunition 4.4 4.5 5.8 6.7 U

\* ITEMS UNDER \$50,000 UNCLASSIFIED

#### UNCLASSIFIED

#### Department of the Navy

#### FY 2000/2001 Procurement Program

Exhibit P-1

BUDGET ACTIVITY 01: Navy Ammunition  Navy Ammunition  16 0335 Small Arms & Landing Party Am A 7.6 7.7 8.0 8.8  17 0340 Pyrotechnic and Demolition A 10.0 8.9 8.2 8.4  18 0350 Mine Neutralization Devices A 6.2 7.8 9.2 9.5  19 0400 Ammunition less than \$5 milli 2.2 1.3		-									
			(2011.220)			TOA	, \$ IN 1	MILLIONS			
	ITEM NOMENCLATURE		FY 2000	FY 1998	3	FY 19	99	FY 20	00	FY 20	~
		tion									
Navy Ammur	nition										
16 0335 Sr	mall Arms & Landing Part	ty Am A			7.6		7.7		8.0		8.8 U
17 0340 Py	yrotechnic and Demolitic	on A			10.0		8.9		8.2		8.4 U
18 0350 M	ine Neutralization Devi	ces A			6.2		7.8		9.2		9.5 U
19 0400 Ar	mmunition less than \$5 m	milli			-		-		2.2		1.3 U
TOTAL Nav	vy Ammunition				253.5	<del>-</del>	302.2	_	328.7	_	314.9

#### UNCLASSIFIED

Exhibit P-1R

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#### Department of the Navy

#### FY 2000/2001 Procurement Program - Reserve Component

APPROPRIATION: 1508N Procurement of Ammunition, Navy/Marine Corps DATE: February 1999 TOA, \$ IN MILLIONS (DOLLARS) -----S ----FY 1998--- ----FY 1999--- E LINE IDENT FY 2000 UNIT COST QUANTITY COST QUANTITY COST QUANTITY COST C NO ITEM NOMENCLATURE CODE ------BUDGET ACTIVITY 01: Navy Ammunition Navy Ammunition 1 0145 General Purpose Bombs (RESERVE A . 1 . 1 .1 .1 U 2 0150 2.75 Inch Rockets(RESERVE) . 1 . 1 .1 .1 U 3 0155 Machine Gun Ammunition(RESERV A . 3 . 3 . 3 .3 U 4 0160 Practice Bombs(RESERVE) 3.3 2.5 2.5 U 2.6 5 0184 Marine Location Markers (RESER A TJ 6 0194 JATOS (RESERVE) Α . 1 . 1 .1 U 7 0260 CIWS Ammunition(RESERVE) – U 8 0265 76mm Gun Ammunition(RESERVE) A .\* U 9 0270 Other Ship Gun Ammunition(RES A .1 .1 U 10 0335 Small Arms & Landing Party Am A . 1 .1 U

TOTAL Navy Ammunition

11 0340 Pyrotechnic and Demolition(RE A

12 0400 Ammunition less than \$5 milli

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<sup>\*</sup> ITEMS UNDER \$50,000

## Procurement of Ammunition, Navy & Marine Corps Program and Financing (in Thousands of dollars)

Budget Plan (amounts for PROCUREMENT actions programed)

Identifi	cation code 17-1508-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
P	rogram by activities:				
	Direct program:				
00.0101	Proc Ammo, Navy	253,514	302,205	328,724	314,880
00.0201	Proc Ammo, MC	122,354	180,998	156,176	164,920
00.9101	Total direct program			484,900	
01.0101	Reimbursable program		10,000	10,000	10,000
10.0001	Total	379,608		494,900	489,800
F	inancing:				
	Offsetting collections from:				
11.0001	Federal funds(-)	-3,740	-10,000	-10,000	-10,000
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans	-400	-12,560		
21.4009	Reprograming from/to prior year budget plans	-163			
	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans				
24.4003	Available to finance subsequent year budget plans	12,560			
25.0001	Unobligated balance expiring	163			
39.0001	Budget authority	388,028			479,800
	Budget authority:				
40.0001	Appropriation	397,147	483,203	484,900	479,800
40.3601	Appropriation rescinded (unob bal)		-12,560		
40.7601	Reduction pursuant to P.L. 105-56 (-), 8041	-6,969			
41.0001	Transferred to other accounts (-)	-2,200			
42.0001	Transferred from other accounts	50			
43.0001	Appropriation (adjusted)	388,028	470,643	484,900	479,800
	elation of obligations to outlays:				
71.0001	Obligations incurred				
72.1001	From Federal sources: Receivables and unpaid, unfilled orders, SOY				
	Obligated balance, start of year				
74.1001	From Federal sources: Receivables and unpaid, unfilled orders, EOY				
74.4001	Obligated balance, end of year				
	Adjustments in expired accounts (net)				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)				

## Procurement of Ammunition, Navy & Marine Corps Program and Financing (in Thousands of dollars)

Obligations

Identifi	cation code 17-1508-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
F	Program by activities:				
	Direct program:				
00.0101	Proc Ammo, Navy	251,117	232,725	306,193	313,906
00.0201	Proc Ammo, MC	140,334	159,793	306,193 147,221	167,000
00.9101	Total direct program	391,451	392,518	453,414	480,906
01.0101	Reimbursable program		13,000	10,740	•
10.0001	Total			464,154	
F	inancing:				
	Offsetting collections from:				
11.0001	Federal funds(-)	-10,962	-10,000	-10,000	-10,000
17.0001	Recovery of prior year obligations	-18,360			
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-45,884	-54,615	-142,300	-173,046
21.4003	Available to finance new budget plans	-400	-12,560		
21.4009	Reprograming from/to prior year budget plans				
	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	54,615	142,300	173,046	171,940
24.4003	Available to finance subsequent year budget plans	12,560	,		,
	Unobligated balance expiring	163			
39.0001	Budget authority	388 038	470 643	484,900	479 800
	Budget authority:				
40.0001	Appropriation	397,147	483,203	484,900	479,800
40.3601	Appropriation rescinded (unob bal)		-12,560		
40.7601	Reduction pursuant to P.L. 105-56 (-), 8041	-6,969			
41.0001	Transferred to other accounts (-)	-2,200			
42.0001	Transferred from other accounts	50			
	Appropriation (adjusted)	388,028		484,900	
	Relation of obligations to outlays:				
71.0001	Obligations incurred	385,332	395,518	454,154	480,906
72.1001	From Federal sources: Receivables and unpaid, unfilled orders, SOY	385,332 6,425 370,187 -8,652	8,652	8,652	8,652
72.4001	Obligated balance, start of year	370,187	507,523	491,852	535,140
74.1001	From Federal sources: Receivables and unpaid, unfilled orders, EOY	-8,652	-8,652	-8,652	-8,652
74.4001	Obligated balance, end of year	-507,523	-491,852	-535,140	-584,600
77.0001	Adjustments in expired accounts (net)	-1,066			
78.0001	Adjustments in unexpired accounts	-18,360			

#### Procurement of Ammunition, Navy & Marine Corps Object Classification (in Thousands of dollars)

Identification code 17-1508-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
Direct obligations:				
125.101 Advisory and assistance services		200	200	200
Purchases goods/services from Government accounts				
125.301 Purchase of goods/services from Government accounts	13,709	34,894	21,921	38,199
125.303 Purchases from revolving funds	136,796	116,736	101,361	114,964
131.001 Equipment	240,946	240,688	329,932	327,543
199.001 Total Direct obligations	391,451	392,518	453,414	480,906
Reimbursable obligations:				
Purchases goods/services from Government accounts				
225.303 Purchases from revolving funds	4,843	10,000	10,000	10,000
231.001 Equipment		3,000	740	
299.001 Total Reimbursable obligations	4,843	13,000	10,740	10,000
999.901 Total obligations	 396,294	405,518	464,154	490,906

Comparison of FY 1999 Program Requirements as Reflected in the FY 2000/FY 2001 Budget with FY 1999 Program Requirements as Shown in the FY 1999 Budget Request (In Thousands of Dollars)

	FY 1999 Total Program Requirements <u>Per FY 1999 Budget</u>	FY 1999 Program Requirements <u>Per FY 2000 Budget</u>	Increase (+) or Decrease (-)
BA 1: Navy Ammunition	282,866	302,205	+19,339
BA 2: Marine Corps Ammunition	146,673	180,998	+34,325
Subtotal Direct Program	429,539	483,203	+53,664
Reimbursable	10,000	10,000	0
Total Fiscal Year	439,539	493,203	+53,664

BA 1: The FY 1999 President's Budget reflected \$282.866 million for Navy ammunition procurement in the Procurement of Ammunition Navy & Marine Corps (PANMC) appropriation (BA1). The Congress added \$9.0 million for General Purpose Bombs and \$15.0 million for Practice Bombs, and rescinded \$3.3 million for procurement of Joint Direct Attack Munitions (JDAM). Additionally, the Congress reduced funding as follows: Section 8054 Contract Advisory and Assistance Services (-\$0.736 million); and Revised Economic Assumptions (-\$0.625 million).

BA 2: The FY 1999 President's Budget reflected \$146.673 million for Marine Corps ammunition procurement in the Procurement of Ammunition Navy & Marine Corps (PANMC) appropriation (BA2). The Congress added funding as follows: 5.56mm All Types (+\$0.5 million); 7.62mm All Types (+\$0.7 million); 0.50 Caliber Ammunition (+\$0.5 million); 60mm All Types (+\$7.0 million); 120mm All Types (+\$2.0 million); 120mm TPCSDS-T M865 (+\$0.5 million); 120mm TP-T M831 (+\$0.7 million); CTG 25mm All Types (+\$0.9 million); 9mm All Types (+\$0.8 million); Grenades All Types (+\$1.0 million); Rockets All Types (+\$18.0 million); Demolition Munitions All Types (+\$0.6 million); and Fuze All Types (+\$1.5 million). Additionally, the Congress reduced funding as follows: Revised Economic Assumptions (-\$0.375).

Reimbursable Orders: The FY 1999 President's Budget contained \$10 million for Reimbursable Authority. This amount remains unchanged in the FY 2000 President's Budget.

# Comparison of FY 1999 Financing as Reflected in the FY 1999/FY 2000 Budget with FY 1999 Financing as Shown in FY 2000 Budget Request (In Thousands of Dollars)

	FY 1999 Financing Per FY 1999 Budget	FY 1999 Financing Per FY 2000 Budget	<pre>Increase(+) Decrease(-)</pre>
Program Requirements (Total) Program Requirements (Direct) Program Requirements (Reimb)	439,539 (429,539) (10,000)	493,203 (483,203) (10,000)	+53,664 (+53,664) (0)
Less: Anticipated Reimbursements	10,000	10,000	(0)

#### Explanation of Changes in Financing

The +\$53.664 million change in program requirements is the result of Congressional increases (+\$58.7 million), Congressional recission of JDAM funds (-\$3.3 million), and Congressional undistributed reductions: Section 8054 Contract Advisory and Assistance Services (-\$0.736 million); and Revised Economic Assumptions (-\$1.0 million).

# Comparison of FY 1998 Program Requirements as Reflected in the FY 1999/FY 2000 Budget with FY 1998 Program Requirements as Shown in FY 2000 Budget Request (In Thousands of Dollars)

	FY 1998 Total Program Requirements <u>Per FY 1999 Budget</u>	FY 1998 Total Program Requirements <u>Per FY 2000 Budget</u>	Increase (+) or Decrease (-)
BA 1: Navy Ammunition	257,018	253,514	-3,504
BA 2: Marine Corps Ammunition	124,560	122,354	-2,206
Subtotal Direct Program	381,578	375,868	-5,710
Reimbursable	10,000	10,000	0
Total Fiscal Year	391,578	385,868	-5,710

BA 1: Changes reflect minor below threshold reprogrammings (+\$0.056 million) and JDAM Congressional Recission (-\$3.560 million).

BA 2: Changes reflect minor below threshold reprogrammings (-\$0.006 million) and Reclassification Reprogramming from PANMC to O&MMC (-\$2.200 million) for SMAW Launcher Improvements.

# Comparison of FY 1998 Financing as Reflected in the FY 1999/FY 2000 Budget with FY 1998 Financing as Shown in FY 2000 Budget Request (In Thousands of Dollars)

	FY 1998 Financing Per FY 1999 Budget	FY 1998 Financing Per FY 2000 Budget	Increase (+) Decrease (-)
Program Requirements (Total) Program Requirements (Direct) Program Requirements (Reimb)	391,578 (381,578) (10,000)	385,868 (375,868) (10,000)	-5,710 (-5,710) (0)
Less: Anticipated Reimbursements	10,000	10,000	(0)

#### Explanation of Changes in Financing

Direct Program: Changes reflect minor below threshold reprogrammings (+\$0.050 million), JDAM Congressional Recission (-\$3.560 million), and Reclassification Reprogramming from PANMC to O&MMC (-\$2.200 million) for SMAW Launcher Improvements.

			BUDGET	ITEM JUS	TIFICATION	SHEET				DATE:			
				P-4	10					<b>FEBRUAR</b>	Y 1999		
APPROPRIATION/B	UDGET ACTIV	ITY						P-1 ITEM NO	MENCLATUR	Ė			
<b>PROCUREMENT</b>	OF AMMUI	NITION,	NAVY & M	ARINE COP	RPS			General Pu	ırpose Bon	nbs			
Program Element for	Code B Items:							Other Related	l Program Eler	ments			
B.A.1 - Navy Am	munition												
	Prior	ID									То		
	Years *	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total	
QUANTITY													
COST													
(In Millions)	121.4		\$16.6	\$31.7	\$77.9	\$25.0	\$22.4	\$22.9	\$23.4	\$23.9	Cont	Cont	

GBU-24/BLU-109: Operation Desert Storm revealed an urgent USN/USMC requirement for a 2000lb moderate to hard target penetrator weapon. Based upon Operational Requirements submitted by the fleet CINCs, a product improvement program (PIP) was initiated to provide the USAF GBU-24/BLU-109 to the Fleet. The USN version consists of a 2000lb class BLU-109 warhead filled with approximately 535lbs of PBXN-109, a WGU-39 guidance and control unit, an FMU-143E/B tail fuse (with a less IM sensitive PBXN-7 booster and lead), FZU-32 arming unit, ADG-770 adapter group, and BSU-84 AFG. The FMU-143E/B fuse and BLU-109 warhead transitioned to the Single Manager for Conventional Ammunition in FY 95.

FY 98 PES/ILS includes a \$4.5M reprogramming to conduct engineering efforts on the Enhanced GBU-24 E/B to meet operational requirements on collateral damage avoidance.

FY 99, 00, FMU 139 rebooster program - The FMU 139 fuses are required for the 1,000 LB Laser Guided Bomb and will be procured from inventory. This program will replace the explosive to increase safety.

The Product Improvement Program (PIP) is used to continue investigation regarding hardware coating materials necessary in meeting the Environment Protection Agency's more stringent requirements.

In FY 99 the MK 84 (2000LB) PBXN 109 and LGB Air Foils are procured to replace Non-combat expenditures, maintain war reserve, and to support both live and inert 500 lb training.

<u>PES/ILS</u>: Production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the procurement of GP bombs and ancillary components. These efforts include providing recommendations and assisting in rapid resolution of maintenance procedure discrepancies to achieve optimum asset readiness, i.e., audits, pre-award surveys, post award surveys, post award conferences, First Article Testing or any other actions required to address technical problems which may arise. These funds are provided in parallel with the FY 99, FY 00 and FY 01 procurements of end items.

98 99 00 01 02 03 04 05

Navy Reserves .1 .1 .1 .1 .1 .1 .1 ...

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

	BU	DGET ITE	M JUSTIFIC	ATION SH	EET FOR A	GGREGAT	ED ITEMS			DATE:		
				P-40	)a					<b>FEBRUAR</b>	Y 1999	
APPROPRIATION/BUD	GET ACT	TVITY					P-1 ITEM NON	MENCLATURE				
PROCUREMENT OF A	MMUNITI	ON, NAVY	& MARINE CO	RPS (\$000)	)			GENER	AL PURPO	SE BOMBS	(Y1Q2)	
	ID	Prior		<u> </u>	,						То	
Procurement Items	Code	Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
BSU-86/B Retard Fin												
QTY								4,279	6,588	6,764		
Funding			\$0	\$0	\$0	\$0	\$0	\$3,000	\$4,734	\$4,982		
MK 83 Conical Fins												
QTY					7,194	12,678	2,584	2,512				
Funding			\$0	\$0	\$1,395	\$2,513	\$524	\$522	\$0	\$0		
LGB AFG												
QTY				1,384	1,821							
Funding			\$0	\$8,454	\$11,290	\$0	\$0	\$0	\$0	\$0		
LGB Guidance Unit												
QTY					1,821							
Funding			\$0	\$0	\$41,701	\$0	\$0	\$0	\$0	\$0		
MK 84 (2000LB) TP												
QTY				600	1,611	1,840	1,776	1,476	1,388	1,404		
Funding			\$0	\$5,460	\$14,807	\$17,081	\$16,651	\$13,977	\$13,275	\$13,562		
DSU-33 Prox Fuze												
QTY			3,240									
Funding			\$7,776	\$0	\$0	\$0	\$0	\$0	\$0	\$0		

P-1 SHOPPING LIST

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 2 CLASSIFICATION: UNCLASSIFIED

<sup>\*</sup> FY 95, FY 96/FY 97 only. Prior to FY 95, Program was budgeted under WPN.

	BU	DGET ITE	M JUSTIFIC	CATION SH	EET FOR A	GGREGAT	TED ITEMS			DATE:		
				P-40	)a					<b>FEBRUAR</b>	<b>Y</b> 1999	
APPROPRIATION/BUD	GET ACT	ΓΙVΙΤΥ					P-1 ITEM NO	MENCLATURE				
PROCUREMENT OF A	MMUNITI	ION, NAVY	& MARINE CO	RPS (\$000	)			GENER	AL PURPO	<b>SE BOMBS</b>	(Y1Q2)	
	ID	Prior									То	
Procurement Items	Code	Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
GBU 24 KITS												<del>                                     </del>
QTY				93								
Funding				\$8,372								
Other Support			\$8,858	\$9,381	\$8,722	\$5,387	\$5,265	\$5,435	\$5,408	\$5,344		
Total P-1 Funding		\$121,383	\$16,634	\$31,667	\$77,915	\$24,981	\$22,440	\$22,934	\$23,417	\$23,888	Cont	Cont

P-1 SHOPPING LIST

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 3 CLASSIFICATION: UNCLASSIFIED

<sup>\*</sup> FY 95, FY 96/FY 97 only. Prior to FY 95, Program was budgeted under WPN.

WE	APONS SYSTEM COST ANALYSIS P-5	Weapon Sys	stem		DATE: FEB199	99						
PROC	PRIATION/BUDGET ACTIVITY  JREMENT OF AMMUNITION, NAV	/Y & N	MARINE C	1								
D.A. I	- Navy Ammunition			<u> </u>								
COST	ELEMENT OF COOT	ID		T IN THOUSAI	NDS OF DOI FY 1998	LLARS - N	UMBERS I	N () ADD TO FY 1999	SUBTOTALS	F)/ 0000		
CODE	ELEMENT OF COST	Code	Prior Years		FY 1998			FY 1999			FY 2000	
CODE		Code	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
	PROCUREMENTS											
Q2030	MK-83 Conical Fins (F642)	Α								7,194	193.91	1,395
Q2170	GBU 24 KITS SUBTOTAL								8,372			
	GBU-24 AFG/BSU84/B Airfoils	Α					93	14,906.00	(1,386)			
	GBU-24 ADG 770A/B Adapters	Α					93	4,325.00	(402)			
	GBU-24 WGU39A/B Guidance Unit	Α					93	70,796.00	(6,584)			
Q2180	LGB KITS SUBTOTAL								8,454			52,991
	LGB CCG-MAU-169 Guidance Unit	Α							·	1821	22900.00	(41701)
	LGB AIR FOILS (MXU-651/B)	Α					100	6,224.96	(622)			,
	LGB AIR FOILS (MXU-667/B)	Α					1,284	6,100.00	(7832)	1821	6200.00	(11290)
Q2TBD	MK 84 (2000# Bomb) PBXN 109	Α					600	9,100.00	5460	1611	9191.00	14807
Q2190	DSU-33 Proximity Fuze	Α		3,240	2400.00	7,776						
PROCU	REMENT SUPPORT AND OTHER COST	S										
Q2800	ILS SUBTOTAL	T				703			588			625
	ILS (GP Bombs)					(303)			(388)			(400)
	ILS (GBU-24)					(400)			(200)			(225)
Q2830	PES/NAVY SUBTOTAL					6,964			3,390			3,948
	PES (GP Bombs)					(5,615)			(1644)			(2338)
	PES (GBU-24)					(1,349)			(1746)			(1610)
Q2830	PES/ARMY					15			253			. 497 <sup>°</sup>
Q2850	PIP					652			100			100
Q2850	FMU 139 Fuze (Rebooster) PIP								4,500			3,002
Q2892	Non Standard Items								100			100
Q2893	Renovation Components					274			200			200
Q2894	Gaging					250			250			250
	TOTAL	1	121,383			16,634			31,667			77,915

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

BUDGET PROCUREM	ENT HIST	ORY AND PLA	ANNING EXHIBIT	「(P-5A)		Weapon System		A. DATE	Feb-99	
B. APPROPRIATION/BUDGET PROCUREMENT OF A B.A.1 - Navy Ammunit	MMUNITIO	ON, NAVY & N	MARINE CORPS		C. P-1 ITEM NOMI	ENCLATURE  General Purpose B	ombs		SUBHEAD Y1	Q2
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
GBU-24 COMPONENTS										
Q2170 <u>BSU-84B/B AFG</u>										
FY 95	221	15,918.43	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Apr-99	YES	
FY 96	279	15,918.43	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	May-99	YES	
FY 99	93	14,906.00	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
Q2170 <u>WGU-39A/B G&amp;C</u>	 UNIT									
FY 95	221	75,561.97	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	Apr-99	YES	
FY 96	279	75,561.97	Hill AFB	Apr 96	SS/FPoption	Raytheon	Jun-96	May-99	YES	
FY 99	93	70,796.00	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
Q2170 <u>ADG770A/B Adapte</u>	er er									
FY 99	93	4,325.00	Hill AFB	Apr 96	SS/FPoption	Raytheon	Sep-99	Jun-00	YES	
D. REMARKS										

BUDGET PROCUREMENT	HISTORY	AND PLA	NNING EXHIBIT (F	P-5A)		Weapon System		A. DATE	Feb-99	
B. APPROPRIATION/BUDGET ACTIV	ITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF AMM	UNITION,	NAVY & M	ARINE CORPS			General Purpose E	Bombs		Y1	Q2
B.A.1 - Navy Ammunition										
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF No WHEN AVAILABLE
Q2030 MK 83 Conical Fins										
FY97	33,235	326.04	Rock Island, IL	Feb-97	C/FP	MTD	Oct-97	Nov-98	YES	
FY00	7,194	193.91	Rock Island, IL	TBD	C/FP	Unknown	Apr 00	Apr 01	YES	
Q2TBD <u>MK 84 (2000LB</u> )										
FY99 *	600	9,100.00	Rock Island, IL	TBD	C/FP	Unknown	Jul-99	Sep-00	NO	Apr-99
FY00	1,611	9,191.00	Rock Island, IL	TBD	C/FP	Unknown	Jul-00	Apr 01	NO	Apr-99
Q2180 <u>LGB</u>										
FY97(MXU-667/B)	402	6,467.66	Hill AFB	May-97	SS/FP	Raytheon	Jul-97	Dec-98	YES	
FY99(MXU-651/B)	100	6,224.96	Hill AFB	TBD	SS/FP	Raytheon	Oct-99	Jun-00	YES	
FY99(MXU-667/B)	1,284	6,100.00	Hill AFB	TBD	SS/FP	Raytheon	Oct-99	Jun-00	YES	
FY00(MXU-667/B)	1,821	6,200.00	Hill AFB	TBD	SS/FP	Raytheon	Jul-00	Apr 01	YES	
FY 00 (MAU-169 G Unit)	1,821	22,900.00	Hill AFB	TBD	SS/FP	Raytheon	Jul-00	Apr 01	YES	
Q2190 <u>DSU-33B/B</u>						Aliant Tech.				
FY 98	3,240	2,400.00	Eglin AFB	May-98	C/FP	Janesville, WI	Jun-98	Jan-99	YES	

D. REMARKS

<sup>\*</sup>MK-84 to be procured with PBXN-109 explosive, qualification tests and technical data preparation currently underway.

BUDGET PRODUCTION SCHE	DULE	E, P-2	1									1	\\/	000		to		DATE		FEB										
APPROPRIATION/BUDGET ACT PROCUREMENT OF AMMUNIT			/ & M/	ARINE	COR	P:							vve	apor	n Sys				ITEN		MEN	NCL/ <b>G</b> e	ATUF ener	RE <b>al P</b> u	rpose	Bon	nbs			
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 1 PAGE 7 Exhibit P-21 Production Schedule

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DD Form 2445, JUL 87

Previous editions are obsolete

ITEM NO 1 PAGE 8 Exhibit P-21 Production Schedule

#### **CLASSIFICATION:**

#### **UNCLASSIFIED**

			BUDGET	ITEM JUS	TIFICATIO 40	N SHEET					DATE: Februa	ry 1000
APPROPRIATION/BUDGET AND PROCUREMENT OF AM	-	I. NAVY	' & MARIN			munition	P-1 ITEM NO			TTACK MU		iy 1999
Program Element for Code B Ite		.,,					Other Relate					
0204162N								None				
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Program
QUANTITY	N/A	Α	547	745	785	641	809	2,622	2,340	2,400	14,607	25,496
COST (\$M)			\$25.1	\$37.8	\$35.6	\$29.6	\$30.2	\$65.0	\$66.4	\$67.7	\$346.7	\$704.0
Initial Spares (\$M)			\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Total (\$M)	\$0.0		\$25.1	\$37.8	\$35.6	\$29.6	\$30.2	\$65.0	\$66.4	\$67.7	\$346.7	\$704.0
Unit Cost (\$M)			0.046	0.051	0.045	0.046	0.037	0.025	0.028	0.028	0.024	0.028

MISSION AND DESCRIPTION Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent US air power from prosecuting a conflict on its terms. JDAM is an Air Force and Navy munitions program to correct these shortfalls, with the Air Force as the executive service. JDAM will upgrade the existing inventory of general purpose bombs (MK 84, BLU-109/B, and MK 83) by integrating them with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM will provide an accurate (13 meters) adverse weather capability. JDAM will initially be integrated with the B-52, B-2, B-1B and F/A-18C/D aircraft with follow-on integration on the F-16, F-15E, F-22 and other aircraft. The total production buy for JDAM is 87,496 units (62,000 for AF and 25,496 for Navy). No requirement for initial spares because of 20 year warranty.

Total Quantities	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
USAF	1,655	1,782	5,410	10,404	9,908	9,803	10,039	7,848
NAVY	547	745	785	641	809	2622	2340	2400
TOTAL	2,202	2,527	6,195	11,045	10,717	12,425	12,379	10,248

P-1 SHOPPING LIST

ITEM NO 2

**UNCLASSIFIED** 

CLASSIFICATION:

DD Form 2454, JUN 86

PAGE NO 1

	WEAP		EM COST AN	NALYSIS					Weapon Sys	stem							DATE: Februa	ary 1999
	PRIATION/BUDGET ACTIVITY UREMENT OF AMMUNITION, NAVY	' & MARIN	NE CORPS	S/B.A. 1.	Ammuni	ition			ID Code B	P-1 ITEM NO		IRE/SUBHEAD JOINT DIR		ACK MUI	NITION		I	_
			TOTAL COS	T IN THOUS	ANDS OF D	OLLARS												
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 1997 Unit Cost	Total Cost	Quantity	FY 1998 Unit Cost	Total Cost	Quantity	FY 1999 Unit Cost	Total Cost	Quantity	FY 2000 Unit Cost	Total Cost	Quantity	FY 2001 Unit Cost	Total Cos
	AIR VEHICLE JOINT PROGRAMMABLE FUZE (JPF) WARHEAD (1) ENGINEERING CHANGE ORDERS (ECO)  TOTAL RECURRING FLYAWAY  PRODUCTION TECH SUPPORT CONTRACTOR INCENTIVE PRODUCTION TEST DATA BLU-109 CABLES  TOTAL NON-RECURRING  TOTAL WEAPON FLYAWAY  LOAD/BUILDUP TRAINERS TEST EQUIPMENT (2) ILS TRAINING DATA (TECHNICAL)  TOTAL FLEET SUPPORT	ВВ	N/A				547 547 0 0 547	18,151 3,912 0 0 22,063 40,519	2,140 0 0 12,068 7,714 291 1,057 0 1,034 10,096 22,164 279 1,321 1,045 183 58 2,886	745 745 592 745 745	19,161 3,213 18,433 560 37,583 46,785	418  27,999  5,272 140 1,275 169 0  6,856  34,855  0 1,261 1,207 375 117  2,960	785 785 785 512 785 785	35,715 42,409	2,412 9,543 458 28,036 4,391 153 639 72 0 5,255 33,291 0 1,261 648 312 51 2,272	641 641 395 641 641	20,616 2,853 19,048 618 35,826 43,599	1,82 7,52 39 22,96 4,23 13 58 8 3 4,96 27,94 66 59 37 5
	INITIAL SPARES TOTAL PROCUREMENT						0 547	45,795	0 25,050	0 745	50,758	0 37,815	0 785	45,303	0 35,563	0 641	46,222	29,6
	CONTROLS	*	0			0	)		25,050			37,815			35,563			29,62

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. 2

PAGE NO. 2

NOTE 1. QUANTITY AND COSTS ARE FOR BLU-109 WARHEADS ONLY. MK-84 AND MK-83 WARHEADS ARE IN EXISTING INVENTORY.

NOTE 2. TEST EQUIPMENT INCLUDES THE COST FOR THE COMMON MUNITIONS BIT REPROGRAMMBLE EQUIPMENT (CMBRE)

**UNCLASSIFIED** 

CLASSIFICATION:

#### CLASSIFICATION:

#### **UNCLASSIFIED**

WEAPONS SY	STEM COST AND P-5	ALYSIS				Weapon Sys	stem							DATE:	Febru	ary 1999
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAV	/Y & MARINE	CORPS/I	B.A. 1. Am	nmunitio		ID Code <b>B</b>	P-1 ITEM N		URE/SUBHE/ JOINT DIR		ACK MUI	NITION				•
COST ELEMENT OF COST		FY 2002			FY 2003			FY 2004			FY 2005		То С	Complete		Total
CODE	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
AIR VEHICLE	809	18,610	15,056	2,622	18,404	48,256	2,340	18,368	42,982	2,400	18,523	44,455	14,607	275,247	25,496	479,03
JOINT PROGRAMMABLE FUZE (JPF)	809	2,895	2,342	2,622	2,894	7,589	2,340	2,775	6,493	2,400	2,714	6,514	14,607	40,795	25,496	72,50
WARHEAD (1)	315	19,654	6,191	0	0	0	407	20,509	8,347	404	20,939	8,459	70	1,541	2,848	52,51
ENGINEERING CHANGE ORDERS (ECO)	809	544	440	2,622	538	1,410	2,340	536	1,255	2,400	541	1,298	14,607	8,030	25,496	13,70
TOTAL RECURRING FLYAWAY	809	29,702	24,029	2,622	21,836	57,255	2,340	25,247	59,077	2,400	25,303	60,726	14,607	325,613	25,496	617,76
PRODUCTION TECH SUPPORT			4.448			5,299			5,175			5,048		9,771		51,34
CONTRACTOR INCENTIVE			147			480			418			433		2,677		4,87
PRODUCTION TEST			618			792			573			330		381		6,25
DATA			45			128			116			148		1,206		1,91
BLU-109 CABLES			0			0			0			0		0		1,03
TOTAL NON-RECURRING			5,258			6,699			6,282			5,959		14,035		65,42
TOTAL WEAPON FLYAWAY	809	36,201	29,287	2,622	24,391	63,954	2,340	27,931	65,359	2,400	27,785	66,685	14,607	339,648	25,496	683,1
LOAD/BUILDUP TRAINERS			0			0			0			0		0		27
TEST EQUIPMENT (2)			0			0			0			0		0		4,50
ILS			460			701			669			675		6,343		12,34
TRAINING			379			296			287			293		624		3,12
DATA (TECHNICAL)			51			39			39			40		86		53
TOTAL FLEET SUPPORT			890			1,036			995			1,008		7,053		20,78
TOTAL WEAPON SYSTEM INITIAL SPARES FY98 CONGRESSIONAL REINSTATEMENT FY00 NAVCOMP ADJUSTMENT	809	37,302	30,177	2,622	24,786	64,990	2,340	28,356	66,354	2,400	28,205	67,693	14,607	346,701	25,496	703,9
100 WAYOOWII ADOOOTWENT	0		0	0		0	n		n	n		0	n	0	0	
TOTAL PROCUREMENT	809	37,302	30,177	2,622	24,786	64,990	2,340	28,356	66,354	2,400	28,205	67,693	14,607	346,701	25,496	703,9
CONTROLS			30,177			64,990			66,354			67,693		346,701		703,97

DD FORM 2446, JUN 86 ITEM NO. 2

CLASSIFICATION: PAGE NO. 3

NOTE 1. QUANTITY AND COSTS ARE FOR BLU-109 WARHEADS ONLY. MK-84 AND MK-83 WARHEADS ARE IN EXISTING INVENTORY.

NOTE 2. TEST EQUIPMENT INCLUDES THE COST FOR THE COMMON MUNITIONS BIT REPROGRAMMBLE EQUIPMENT (CMBRE)

CLASSIFICATION: UNC

**UNCLASSIFIED** 

BUDGET PROCUR	EMENT HIST	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE	February 19	99
B. APPROPRIATION/BUDG PROCUREMENT O		ON, NAVY	/ & MARINE CORPS	6/B.A.1	C. P-1 ITEM NOT	MENCLATURE  CT ATTACK MUNITION		•	SUBHEAD Y1	JD
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY98 JDAM	547	22,063	USAF ASC/YU EGLIN AFB, FL		FFP Option	Boeing St. Louis, MO	June 98	July 99	N/A <sup>(1)</sup>	N/A
FY99 JDAM	745	37,583	USAF ASC/YU EGLIN AFB, FL		TBD	Boeing St. Louis, MO	June 99	July 00	N/A <sup>(1)</sup>	N/A
FY00 JDAM	785	35,715	USAF ASC/YU EGLIN AFB, FL		TBD	Boeing St. Louis, MO	June 00	July 01	N/A <sup>(1)</sup>	N/A
FY01 JDAM	641	35,826	USAF ASC/YU EGLIN AFB, FL		TBD	Boeing St. Louis, MO	June 01	July 02	N/A <sup>(1)</sup>	N/A
D. DELMANO										

D. REMARKS

(1). SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM'S STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.

P-1 SHOPPING LIST ITEM NO. 2 Classification:

4

PAGE NO.

FY 2000 BUDGET PRODUCT			ULE, F	P-21														DATE						/ 199	9					
APPROPRIATION/BUDGET A													We	eapor	n Sys	tem		P-1 I	TEM											
PROCUREMENT OF AMMUN	ITION,	NAVY	& MA	RINE	COR	PS/B												41			nt D	<u>irec</u>	t At	<u>tack</u>	Mu	nitio	n			
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		997	T		T			1	ENDAR	I	1	T		T	1		1	T	T	T	EAR 19	99			В
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						Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	Р	-
JDAM/Boeing	97	AF	937	0	937													74	84	84	100	122	147	172						-154
	97	N	0	0	0																									ļ
	98	AF	1655	0	1655									A		-											8	24	146	147
	98	AF N	547	0	547									A													108	108	0	331
			017		017					l			-									<del> </del>				<del> </del>	100	100		
	99	AF	1782	0	1782										***************************************											Α				178
	99	N	745	0	745								ļ													Α				745
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	1										SCAL Y		000										CCAL.	YEAR	2001		l			
ITEM / MANUFACTURER	F	s	Q	D	В	11	999			Г	SCAL 1	EAR 2		ENDAR	VEAD	2000						Г	SCAL			EAR 20	001			ĺ
TIEM, WATER TOTAL	Y	٧	T	E	A	0	T	D	J	F	М	^	1	T	T	1	S	0	N	D	J	F	М	A	M	LAN ZU	1	^	S	В
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						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Y	N	L	G	Р	
DAM/Boeing	98	AF	1655	178	1477	166	180	154	160	164	162	164																		0
	98	N	547	216	331	0	9	46	46	46	46	46	46	46								-								0
	99	AF	1782	0	1782								-		108	108	216	108	190	68	216	108	216	91	114	239				0
	99	N	745	0	745					<u> </u>				<b> </b>	108	108		108		108	0	108		108		0				0
	00	AF	5410	0	5410									Α													108	190		487
	00	N	785	0	785	***********	<u> </u>		***************	ļ			ļ	A	***********	<b></b>	ļ					-			-	<b> </b>	162	108	104	411
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 2 PAGE 5 Exhibit P-21 Production Schedule

<b>FY 2000 BUDGET PRODUCTIO</b>	ON SC	HEDU	JLE, P-	-21														DATE				Febr	uary	1999						
APPROPRIATION/BUDGET AC													We	apor	Syst	em		P-1 I	TEM	NOM										
PROCUREMENT OF AMMUNIT	ION, I	NAVY	& MAF	RINE (	CORPS	B.A.	1														nt Di			ack I	Muni	ition				
							Pr	oduct	ion R	ate					F	rocu	reme	nt Lea	adtime	95										
		Ma	anufact	urer's								Αl	_T Pri	or	Al	_T Aft	ter		Initia		R	eorde	er					Un	it of	
Item		Nam	e and L	ocatio	on	M:	SR	1-8	3-5	M	AX	to	Oct	1		Oct 1		M	lfg PL	Т	М	fg PL	Τ.		Total			Mea	sure	
JDAM	Boeir	ng				285/	Мо	1083	/Mo	1083	/Мо		0 Mo			8 Mo	)		12 M	)		12 Mc	)		12 Mc	)		Е		
		ouis, N	ЛΟ																											
								F	ISCAL	YEAR	2002											FIS	SCAL Y	EAR 2	003					
ITEM / MANUFACTURER	F	S	Q	D	В	20	001						CALE	NDAR	YEAR	2002							(	CALENI	DAR YE	AR 200	3			
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	M	J	J	Α	s	0	N	D	J	F	M	Α	М	J	J	Α	S	B A
		C	ī	_	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	L
JDAM/boeing	00	AF	5410	532	4878	324	324	346	431	602	644	693	734	780	L	G	Р	'	V	C	IN	В	r.	ĸ	1	IN		G	Р	0
JDAM/boeing	00	N N	785	374	411	58	110	132	111	0	0	0	0	0																0
			705	314	711	- 50	110	102			0																			
	01	AF	10404	0	10404										579	894	932	936	934	930	930	928	928	831	630	952				0
	01	Ν	641	0	641										246	0	0	0	0	0	0	0	0	97	298	0				0
																-														
										FIS	SCAL Y	EAR 20	004									FIS	SCAL Y	EAR 2	005					
ITEM / MANUFACTURER	F	s	Q	D	В	20	003						CALE	NDAR	YEAR	2004							(	CALENI	DAR YE	AR 200	15			
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	J	J	А	S	0	N	D	J	F	М	Α	М	J	J	Α		В
		С	Υ	L	L	С	0	E	Α	Ε	Α	Р	Α	U	U	U	E	С	0	Е	Α	E	Α	Р	Α	U	Ü	U	Е	A L
						Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
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Remarks:																														

 DD Form 2445, JUL 87
 Previous editions are obsolete
 P-1 SHOPPING LIST

 311/244
 ITEM NO 2
 PAGE 6

Exhibit P-20, Require	ements Study		1	APPROPRIATION/BUDGE	T ACTIVITY		DA	TE:	
	-		1	PROCUREMENT AMMUNITION	ON, NAVY & MARINE C	ORP/B.A.1 Ammunition	on	Februa	ary 1999
P-1 ITEM NOMENCLAT	URE		Admin Lea	adtime (after Oct1):		Proc	Leadtime :		•
JOINT DIRECT ATTA	CK MUNITION								
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		547	745	785	641	809	2400	2340	2400
Unit Cost (\$ in Millions) s	see note (1.)	0.022	0.038	0.036	0.036	0.030	0.022	0.025	0.025
Total Cost (\$ in Millions)	see note (2.)	\$25.050	\$37.815	\$35.563	\$29.628	\$30.177	\$64.990	\$66.354	\$67.693
Asset Dynamics									
Beginning Asset Position	า	0	0	216	713	1566	2173	3173	5066
Deliveries from all prior y	ear funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1998	funding	0	216	331	0	0	0	0	0
Deliveries from FY 1999	funding		0	216	529	0	0	0	0
Deliveries from subsequ	ent years' funding		0	0	374	657	1050	1943	2061
Other Gains									
Combat Losses/Usage									
Training/Test/Other Loss		0	0	50	50	50	50	50	50
Disposals/Retirements/A									
End oy Year Asset Pos	sition	0	216	713	1566	2173	3173	5066	7077
Inventory Objective:									
Combatant Sh	ipfill								
Expenditures									
Training & Tes	<u> </u>								
Depot Maint. F	Pipeline								
Other									
Peacetime Pip									
	entory Objective:								
Approved Acquisition Ob	pjective								
		Remarks:							
Other than Training	Actual Training			UNIT COST INCLUDES JDAN	,				
Usage	Expenditures	AN	ID BLU-109 BOMB	BODIES (MK 83/84 BOMB BO	ODIES FROM INVENTO	DRY).			
FY 1996 thru	FY 1996 thru	NOTE 2 - BILL	100 BOMB BODIE	S COST ARE INCLUDED FOR	R THE FOLLOWING OL	IANTITIES BY EV			
XXXXX:	2003: 178 PLANNED	FY:		FY00 FY01 FY02		FY05			
FY 1995:	FY 1995: 0		0 592	512 395 315		404			
FY 1994:	FY 1994: 0								
FY 1993:	FY 1993: 0								

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 2 PAGE NO. 7

#### **CLASSIFICATION:**

DD Form 2454, JUN 86

	BUDGE	T ITEM	JUSTIFI	CATION S	HEET			DATE:				
			P-40							February 1	999	
APPROPRIATION/BUD	GET ACTIVI	ΙΤΥ				P-1 ITEM N	OMENCLA	TURE				
PROCUREMENT O	F AMMUN	ITION, I	NAVY & N	MARINE C	ORPS			2.75 INC	H ROCKI	ETS (Y1Q	3)	
Program Element for Co	ode B Items:					Other Rela	ted Program	Elements				
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST	47.5*		045.5	040.4	404.0	004.0	***	400.0	400.7	000.4	0 - 1 - 1 - 1	O attactor
(In Millions)	17.5*	Α	\$15.5	\$16.1	\$21.2	\$21.6	\$22.0	\$22.3	\$22.7	\$23.1	Continuing	Continuing
Funds provided in training requirement 1999.  *Reflects FY95-FY Procurement Nav	ents, and o	continue These p	d procure	ments of	M278 wa	rhead. Ini	tial procur	rement of	the MK 6	37 warhea	d is planne	ed in FY
NAVY RESERVE				FY98 \$0.1	FY99 <b>\$</b> 0.1	FY00 \$0.1	FY01 \$0.1	FY02 \$0.1	FY03 \$0.1	FY04 \$0.1	FY05 \$0.1	

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 3

PAGE NO. 1

BUDGI	ET ITEN	M JUSTIFIC	CATION SH	EET FOR A	GGREGAT	ED ITEMS		DATE:				
			P-40	a					Feb	ruary 1999		
APPROPRIATION/BUD	GET ACT	ΓΙVΙΤΥ				P-1 ITEM NO	MENCLATUR	Ė		-		
PROCUREMENT OF AI	MMUNIT	ION, NAVY &	MARINE COR	PS (\$000's)				2.75 INCH F	ROCKETS (	Y1Q3)		
	ID	Prior									То	
Procurement Items	Code	Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
MK 66 RKT MTR (HA07)	Α										Continuing	Continuing
Quantity		12568	15916	20578	32153	35404	43329	43134	33526	32950		
Funding		\$6,579.0	\$7,570.0	\$7,114.0	\$11,306.0	\$12,670.0	\$15,794.0	\$16,042.0	\$12,743.0	\$12,800.0		
M278 WARHEAD (HA06)	Α											
Quantity		4144	4988	6352	6874	5915	2822	2421	6667	6796		
Funding		\$3,168.0	\$4,103.0	\$5,122.0	\$5,639.0	\$4,938.0	\$2,400.0	\$2,100.0	\$5,911.0	\$6,159.0		
MK 67 WARHEAD (H893)	Α											
Quantity		-	-	1034	1053	519	-	-	-	-		
Funding		-	-	\$481.0	\$495.0	\$248.0	-	-	-	-		
Other Costs		\$7,800.0	\$3,802.0	\$3,358.0	\$3,789.0	\$3,789.0	\$3,770.0	\$4,192.0	\$4,043.0	\$4,096.0		
		·						·				
Total P-1 Funding		\$17,547.0	\$15,475.0	\$16,075.0	\$21,229.0	\$21,645.0	\$21,964.0	\$22,334.0	\$22,697.0	\$23,055.0	Continuing	Continuing
*Reflects FY95-FY97 only,	these pro	l ograms were fu	l nded in FY94 ar	l nd prior from the	Weapons Proc	L urement, Navy (	WPN) and Othe	 er Procurement	l Navy (OPN) acc	ounts.		

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 2

#### CLASSIFICATION:

#### **UNCLASSIFIED**

	WEAPONS SYSTEM COST ANALYSIS			Weapon Sys	tem								DATE:	
4 000001	P-5			ID O - I-	D 4 ITEMAN	NACTION ATTI	DE/OLIBLIE A	<u> </u>					Februar	y 1999
	PRIATION/BUDGET ACTIVITY	\		ID Code	P-1 ITEM NO	DMENCLATU	RE/SUBHEA	ט						
PROCUR	EMENT OF AMMUNITION, NAVY & Marine Corps (\$000's	s)			2 75 INCL	H ROCKET	C (V102)							
			TOTAL 000				3 (11Q3)	)						
			TOTAL COS	ST IN THOUS	ANDS OF DO	LLARS								
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000			
CODE		Code	Years*								2000			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
Q3040	MK 66 Rocket Motor (HA07)	Α	6,579	15,916	475.62	7,570	20,578	345.70	7,114	32,153	351.63	11,306		
Q3070	M278 IR Illum. Warhead (HA06)	Α	3,168	4,988	822.57	4,103	6,352	806.42	5,122	6,874	820.27	5,639		
Q3050	MK 67 Smoke Warhead (H893)	Α	-	-	-	-	1,034	465.00	481	1,053	470.00	495		
O3800	Integrated Logistics Support		427			140			300			160		
	Production Engineering Support(PES)		2,995			1,094			1,157			1,397		
	PES/ARMY**		2,333			1,034			821			1,018		
	Product Improvement Program		3,733			2,388			900			1,034		
	Non-Standard Items		120			40			40			40		
	Renovation Components		175			60			60			60		
	Gaging		160			80			80			80		
	Initial Training Packages		190											
	3 44 3													
	*Reflects FY95-FY97 only, these programs were funded in	n EV04 as	ad prior fram	the Meaners	Proguromant	Nova (M/DN)	and Other D	roouromont N	lova (ODN) a	noounto				
	**Production Support is for Army Quality Ass							i ocui ellielit i	vavy (OFIV) a	counts.				
	, , , , , , , , , , , , , , , , , , , ,		•											
			17,547			15,475			16,075			21,229		
			17,547			15,475			10,075			21,229		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 3 PAGE NO. 3

CLASSIFICATION:

# **UNCLASSIFIED**

<b>BUDGET PROCUREN</b>	MENT HISTO	RY AND P	LANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
									Februa	ry 1999
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITIC	N, NAVY &	MARINE CORPS	3		2.75 INCH ROCKETS			Y1	Q3
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Q3040 MK 66 MOTORS										
FY 98 (HA07)	15916	475.62	ARMY IOC	N/A	C/FP	GENERAL DYNAMICS	Jul-98	Nov-99	YES	
FY 99 (HA07)	20578	345.70	ARMY IOC	N/A	UNK	UNKNOWN	Feb-99	Sep-00	YES	
FY 00 (HA07)	32153	351.63	ARMY IOC	N/A	UNK	UNKNOWN	May-00	Nov-01	YES	
Q3070 M278 WARHEAD (HA	A06)									
FY 98	4988	822.57	ARMY IOC	N/A	C/FP	THIOKOL	May-98	Nov-99	YES	
FY 99	6352	806.42	ARMY IOC	N/A	UNK	UNKNOWN	May-99	Nov-00	YES	
FY 00	6874	820.27	ARMY IOC	N/A	UNK	UNKNOWN	May-00	Nov-01	YES	
Q3TBD MK 67 WARHEAD (F	H893)									
FY 99	1034	465.00	ARMY IOC	N/A	UNK	UNKNOWN	May-99	Nov-00	YES	
FY 00	1053	470.00	ARMY IOC	N/A	UNK	UNKNOWN	May-00	Nov-01	YES	

D. REMARKS

Pricing is provided by the Army and incorporates other services' buys.

Production lead times have been changed to reflect current delivery schedules per IOC.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 3 PAGE NO. 4

FY 1998/99 BUDGET PRODUC	TION	SCHE	DULE	, P-2	1													DATE			F	ebr	uary	/ 19	99					
APPROPRIATION/BUDGET AC	TIVITY	1		•								'	Wea	apor	Sys	stem		P-1	ITEM	1 NC										
PROCUREMENT OF AMMUNIT	ION, N	YVAV	& MA	RINE	CORF	PS															2.7	5 IN	СН	ROC	CKE	TS				
							Pro	oduct	tion I	Rate					Pro	cure	men	nt Le	adtim	es										
		Mar	ufactu	ırer's								AL	ΤP	rior	AL	ΤA	ter		Initial		R	eorc	der					U	nit of	
Item	1	Name	and L	ocatio	n	M	SR	1-8	8-5	MA	λX	to	Oct	1	(	Oct '	1	M	lfg PL	Τ.	M	fg P	LT		Tota	al		Μe	asur	е
MK 66 RKT MTR (HA03/HA07)	GEN	ERAL	DYNA	MICS	3	8	3	2	0	25	0					7			18			<u>1</u> 8			25			TH		
										FISC	AL YE	AR 19	999									FIS	CAL Y	'EAR	2000					
ITEM / MANUFACTURER	F	S	Q	D	В		1998			Ţ	CAL	ENDA	R YE	AR 19	999	,	,		1999			,	C	ALENI	DAR Y	'EAR	2000			
	Υ	V C	T Y	E L	A L	0						Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		C	Y	L	L	C T	0 V	E	A N	E B		P R	A Y	U	U	U	E P	C	0 V	E	A N	E B	A	P R	A Y	U	U	U	E P	Ĺ
							V	C	N	В	R	К	Y	N		G	Р	Ľ	V	C	IN	В	R	ĸ	Y	IN	L	G	Р_	
Q3040-MK 66 RKT MTR							_									-						-			-	-		$\vdash$		
GENERAL DYNAMICS (HA03)	96	N	21.0	0.0	21.0	- 5	10	6															-	-		-		+-		0.0
GENERAL DYNAMICS (HA07)	97	N	11.2	0.0	11.2	_		1											11.2											0.0
GENERAL DYNAMICS (HA07)	98	N	15.9	0.0	15.9														1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
UNK (HA07)	99	N	20.6	0.0	20.6					Α			•																1.9	18.7
UNK (HA07)	00	N	32.2	0.0	32.2																				А					32.2
, ,	Ì				ĺ					FISC	AI YF	AR 20	001									FIS	CAL Y	'EAR	2002	-				
ITEM / MANUFACTURER	F	s	Q	D	В		2000							NDAF	YFA	R 200	1							ALEN		/FAR	2002			
	Y	٧	Т	Е	Α	0	N	D	J	F	М	Α	M	1	Ì ,	A	s	0	N	D		F	М	А	М			Α	S	В
		С	Υ	L	L	C	O	E	A	E	A	P	A	U	Ü	Ü	E	C	0	E	A	E	A	P	A	U	Ü	Ü	E	A
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р	-
Q3040-MK 66 RKT MTR (HA03)																														
									ļ						ļ	-						-	ļ	ļ	-	-		$\perp$	ļI	
GENERAL DYNAMICS (HA07)	98	N	15.9	14.5	1.4	1.4										-										-		$\vdash$		0.0
UNK (HA07)	99	N	20.6	1.9	18.7			1.9	1 9	1 0	1 0	1.9	1.8	1.8	1.8	-						-			-	-		+-		0.0
UNK (HA07)	00	N	32.2	0.0	32.2	1.3	1.9	1.3	1.9	1.9	1.3	1.3	1.0	1.0	1.0				27	27	27	27	27	27	27	27	27	2.7	27	2.5
Remarks:	00	. ' '	02.2	0.0	02.2		1								I	1		<u> </u>	2.1	2.1	۷.1		2.7	1 2.1	2.1	1 2.1	۷.1	2.7	۷.1	2.0

Remarks:

Production rates are provided by the Army and include other services' buys.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311 / 244 ITEM NO 3 PAGE 5 Exhibit P-21 Production Schedule

	оспе	DOLE	:, ۲-2	1													DATE	=		F	ebr	uary	y 19:	99					
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ITION, N	VVA	& MA	RINE	COR	PS									-											TS				
,						Pro	ducti	on F	Rate					Pro	cure	mei	nt Le	eadtir				• • •							
	Man	ufacti	ırer's					•			ΔI	T Pr	ior							R	eorc	ler					U	nit o	f
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00	N	6.9	0	6.9							***************************************													A	\				6.9
												Α																	1.0
00	N	1.1	0.0	1.1																			<u> </u>	F	1				1.1
									FISC	AL YE	AR 20	001									FISC	CAL Y	EAR	2002					
F	S	Q	D	В								CALE	NDAR	YEAF	₹ 2001							C	ALENE	DAR Y	'EAR	2002			
Y	V C	T Y	E L	A L	0 C	N O	D E	J A	F E	M A	A P	M A	J	JU	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A L
					Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
																							1						
00	NI NI	F 0	A A	0.6																									0.0
					.0			5			5	5		6	6	6	6					-	-	-	+-	-			0.0
00	N	6.9	0	6.9		.0	.3	.5		.5	.5	.5	.5	.0	.0	.0	.0		.5	.5	.6	.6	6. 6	.6	6 .6	6. 6	.6	.6	.6
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99	N	1.0	0.0	1.0		.2	.2	.2	.2	.2																			0.0
00	N	1.1	0.0	1.1				T										.2	.2	.2	.2	.2	.1		T	T			0.0
١	CTIVITY IITION, N THIO Unkn  97 98 99 00  F Y  98 99 00  99 00	THION, NAVY  Mar Name THIOKOL  Unknown  F S Y C  97 N 98 N 99 N 00 N  F S Y C  98 N Y C  99 N 00 N	## S Q Y V T C Y    100	Manufacturer's   Name and Location   THIOKOL Ogden, UT     Unknown	Manufacturer's   Name and Location   THIOKOL Ogden, UT	Manufacturer's Name and Location  THIOKOL Ogden, UT  Unknown  F S Q D B Y V T E A C Y L L  98 N 5.0 0 5.0  99 N 6.4 0 6.4  00 N 6.9 0 6.9  P S Q D B Y V T E A C Y L  98 N 5.0 0 5.0  99 N 1.0 0.0 1.0  F S Q D B Y V T E A OC T  B A OC T  C T  D B C T  D C	Name and Location   Section   Sect	Name and Location	Name and Location	Name and Location   MSR	Name and Location   MSR	Manufacturer's   Name and Location   THIOKOL Ogden, UT   2   6   15	Manufacturer's   Name and Location   MSR   1-8-5   MAX   to Oct	Manufacturer's   Name and Location   MSR	Manufacturer's   Name and Location   MSR   1-8-5   MAX   to Oct 1   Oct 1	Manufacturer's   Manufacturer's   Name and Location   MSR   1-8-5   MAX   to Oct 1   Oct 1	Manufacturer's   Name and Location   MSR   1-8-5   MAX   ALT Prior   ALT After   Oct 1	Name and Location   Section   Sect	Name and Location   Thiokol Ogden, UT   CTIVITY   Weapon System   P-1 ITEM	Name and Location	CTIVITY	Name and Location   THIOKOL Ogden, UT   2   6   15   7   18   18   18	P-1   ITEM NOMENCLAT	CTIVITY   ITION, NAVY & MARINE CORPS	Name   Production   Rate   Procurement   Leadtimes   Production   Rate   Procurement   Leadtimes   Procurement   Procurement   Leadtimes   Procurement   Procurement	CTIVITY   Weapon System	TITION, NAVY & MARINE CORPS	CTIVITY   ITION, NAVY & MARINE CORPS	P-1   ITEM NOMENCLATURE

Remarks: Production rates are provided by the Army and include other services' buys.

\*H893 is not in production. This will be a new procurement.

FY 1998/99 BUDGET PRODU	JCTION	SCHE	EDUL	E, P-2	1													DATE			F	ebr	uar	y 19	99					
APPROPRIATION/BUDGET A													Wea	apor	Sy:	stem	)	P-1	ITEN	ΛN	OME	NC	LAT	URE						
PROCUREMENT OF AMMUN	IITION, I	YVA	& MA	RINE	CORI	PS															2.7	5 IN	СН	RO(	CKE	TS				
							Pro	duct	ion I	Rate	)							nt Le	adtin	nes										
Item			nufactu and L		n	М	SR	1-8	8-5	M	4Χ		T P			T A			Initia Ifg Pl			eord fg P			Tota	al			nit of easur	
MK 66 RKT MTR (HA07)			D MAI			8	3	2	0	25	50					7			18			18			25			TH		
M278 WARHEAD (HA06)	THIO		TOIN,	V I		2	2	6	6	1:	5					7			18			18			25			TH		
										FISC	CAL Y	EAR :	2003									FIS	CAL `	/EAR	2004					$\Box$
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	AR YI M A Y	J U N	003 J U L	A U G	S E P	O C T	2003 N O V	D E C	J A N	F E B	M A R	ALEN A P R	M A Y	EAR J U N	J	A U	S E P	B A L
Q3040-MK 66 RKT MTR (HA07)																														
UNK	00	N	32.2	29.7	2.5	2.5																								0.0
Q3070-M278 WARHEAD (HA06) UNK	00	N	6.9	6.3	0.6	.6			***************************************			***************************************			***************************************												***************************************	+		0.0
										FISC	CAL Y	EAR :										FIS			2006					
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		2004					Ι	T	1	·	R 200	T	1	1	I		T	T	1	DAR \		2006		T	В
		C	Y	L	L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	_		S E P	A L
Remarks: Production rates are *H893 is not in production									vice	s' bu	ıys.																			

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 3 PAGE 7 Exhibit P-21 Production Schedule

#### **CLASSIFICATION:**

DD Form 2454, JUN 86

	BUDGET P-40	ITEM J	USTIFICAT	ION SHEET	-			DATE:		Eobrus	ary 1999	
APPROPRIATION/BUDGET ACTIVITY	F-40					P-1 ITEM NO	MENCLATURE			rebiua	11 y 1333	
PROCUREMENT OF AMMUNITION	ON, NAVY	′ & MAF	RINE CORP	S (\$000's)			N	IACHINE GI	JN AMMUN	IITION (Y10	<b>14</b> )	
Program Element for Code B Items:						Other Related	l Program Elen	nents				
	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			ļ									
COST (In Millions)	\$27.9	А	\$9.4	\$8.8	\$9.2	\$10.3	\$10.7	\$11.1	\$11.3	\$11.5	Continuing	Continuning
This line funds procurement of 20 bulk and linked cartridges). Wher linked with the MK14 link, these of Army's Single Manager for Conver PGU-32 Semi-Armor Piercing Higgs Funds requested through FY 99 M61/M197 gun systems to accept the design of an aluminum cartrid PR99 partially restores POM 98 m	n employe artridges a entional An th Explosiv for the P t percussion ge case; a	ed in the are used nmunition we Incentroduct It on or election (4) or	bulk (linkles d in the M19 on (SMCA) u diary (SAPI improvement ectrically print complete the	ss) condition The graph of the	these cartrem in the Al- em in the Al- ntional Amm hting cartrid (PIP) are re ition; (2) cor U-33 includ	idges are us didges are us did aircraft a nunition Workinge for the Grequired to: (rect anomaling verification	ed in the Mond in the Glading Capital AU-12 guns  1) restructuries in PGU 2 con of technic	S1A1 gun sy PU-2A gun p Fund (CAW) system in the re incorpora 20MM ammu cal data pack	stems in the pod. All 20M CF) standard AV-8/B air tion of a raunition; (3) coage (TDP).	e F-14 and F MM ammunit rd prices. 25 craft. diation safe onduct feasi	F/A-18 aircration is procui 5MM funds a primer to n ibility determ	aft. When red by the are for the modify the ination for
*Reflects FY95-FY97 only, these	programs	were fur	nded in FY9	94 and prior	from the We	eapons Proc	urement, Na	avy (WPN) a	nd Other Pr	ocurement I	Navy (OPN)	accounts.
Unfunded deficiencies are identification	ed to mee	t acquisi	ition objectiv	ves.								
NAVY RESERVE				FY98 <b>\$0.3</b>	FY99 <b>\$0.3</b>	FY00 <b>\$0.3</b>	FY01 <b>\$0.3</b>	FY02 <b>\$0.3</b>	FY03 <b>\$0.3</b>	FY04 <b>\$0.3</b>	FY05 <b>\$0.3</b>	

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 4 PAGE NO. 1

#### CLASSIFICATION:

E	BUDGE1	TITEM JUST P-40a	TIFICATION S	SHEET FOR A	GGREGATE	DITEMS		DATE:	Februa	ary 1999		
APPROPRIATION/BUDG	ET ACTIV	'ITY				P-1 ITEM NOME	NCLATURE	•		-		
PROCUREMENT OF	AMMU	NITION, NA	VY & MARIN	E CORPS (\$0	00's)	MACHINE O	SUN AMMUN	ITION (Y1Q4)				
	ID	Prior		-							То	
Procurement Items	Code	Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
20MM LINKLESS	Α										Continuing	Continuing
PGU-27/B (A678)												
Quantity		2686150	-	948980	1132932	1252268	1277907	1305513	1301673	1293807		
Funding		\$14,854.0	-	\$4,650.0	\$5,642.0	\$6,349.0	\$6,594.0	\$6,867.0	\$7,003.0	\$7,103.0		
20MM LINK, TP	Α											
PGU-27/B (A772/A450)												
Quantity		665740	216853	252431	157576	300627	290307	281146	283013	290883		
Funding		\$4,259.0	\$1,737.0	\$1,921.0	\$988.0	\$1,918.0	\$1,887.0	\$1,864.0	\$1,916.0	\$2,010.0		
20MM PGU-28A/B LINKED	п А											
Quantity			100723	-	46366	-	-	-	-	-		
Funding			\$1,393.0	-	\$638.0	-	-	-	-	-		
25MM SAPHEI PGU-32	A											
Quantity		125019	182092	-	_	-	-	-	-	-		
Funding		\$1,684.0	\$3,569.0	-	-	-	-	-	-	-		
Other Costs		\$7,090.0	\$2,651.0	\$2,185.0	\$1,885.0	\$2,034.0	\$2,236.0	\$2,321.0	\$2,366.0	\$2,399.0		
Total P-1 Funding		\$27,887.0	\$9,350.0	\$8,756.0	\$9,153.0	\$10,301.0	\$10,717.0	\$11,052.0	\$11,285.0	\$11,512.0		
		*Reflects FY95-	FY97 only, these p	programs were fund	ded in FY94 and pri	or from the Weapor	ns Procurement, N	avy (WPN) and Othe	er Procurement Nav	y (OPN) accounts		
						1						

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 4 PAGE NO. 2

WEAPONS SYSTEM COST ANALY P-5	SIS											DATE:	Februa	rv 1999
APPROPRIATION/BUDGET ACTIVITY PROCUREMENT OF AMMUNITION, NAVY & MAR	RINE C				NOMENCLAT			1)						, , , , ,
		TOTAL COS	T IN THOUS	ANDS OF	DOLLARS		,	•						
COST ELEMENT OF COST CODE	ID Code	Prior Years****		F	Y 1998		FY 1999			FY 2000				
		Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
Q4010 Q4030 Q4030 Q4030 Q4050 Q4050 Q4050 Q4150 Q4800 Q4800 Q4800 Q4801 Q4831 Q4831 Q4831 Q4894 Q4830 Q4894 Gaging  *Lower price due to combined buy with **The price of this item is a NAVAIR est ***Production Support is for Army Qualit ****Reflects FY95-FY97 only, these program Unit cost is anticipated to increase due to the standard of the standar	imate. ty Assu grams	 urance, Int were fund 	216,853 100,723 182,092 erim Transed in FY9	13.83 19.60 sport & 4 and p	3,569 70 1,736 - 845 - Industrial S	e Weapon	7.61 - -	4,650 1,921 - - 71 1,266 159 689 -	1,132,932 157,576 46,366 -	4.98 6.27 13.76 -	- 71 1,120 113 581		unts.	
		27,887			9,350			8,756			9,153			

PAGE NO. 3

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO.

CLASSIFICATION: UNC

**UNCLASSIFIED** 

<b>BUDGET PROCUREM</b>	MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
									Februa	ry 1999
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT (	OF AMMU	JNITION,	<b>NAVY &amp; MARIN</b>	IE CORPS					Y1	Q4
		·			MACHINE G	UN AMMUNITION				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABLE
Q4010 20MM LINKLESS	PGU-27/B (	A678)								
FY99	948980	4.90	ARMY IOC	N/A	C/FP	UNKNOWN	Apr-99	Apr-00	YES	
FY00	1132932	4.98	ARMY IOC	N/A	C/FP	UNKNOWN	Apr-00	Apr-01	YES	
Q4030 20MM LINK,TP, F	 PGU-27/B (A	772/A450)								
FY97 (A450)	399700	6.80	ARMY IOC	N/A	C/FP	PRIMEX, Marion IL	Jun-97	Feb-98	YES	
FY98 (A450)	216853	8.01	ARMY IOC	N/A	C/FP	UNKNOWN*	Feb-99	Oct-99	YES	
FY99 (A450)	252431	7.61	ARMY IOC	N/A	C/FP	UNKNOWN	Apr-99	Apr-00	YES	
FY00 (A450)	157576	6.27	ARMY IOC	N/A	C/FP	UNKNOWN	Apr-00	Apr-01	YES	
Q4050 20MM PGU-28A/E	I В (А764)									
FY98**	100723	13.83	ARMY IOC	N/A	C/FP	PRIMEX, Marion IL	Jun-99	Apr-00	YES	
FY00	46366	13.76	ARMY IOC	N/A	C/FP	PRIMEX, Marion IL	Jun-00	Apr-01	YES	
(A677 Provided as GFE)										
Q4150 25MM SAPHEI PO	•	))								
FY98	182092	19.60	NAWC CL (China Lake, CA)	Jul-98	C/FP	ALLIANT TECH (Hopkins, MN)	Sep-98	Oct-99	YES	

D. REMARKS

Pricing is provided by the Army and incorporates other services' buys.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 4 PAGE NO. 4

<sup>\*</sup>FY 98 is being competed between Lake City and Primex. J&A delayed, consequently FY98 and FY99 buys are being combined. Early delivery planned.

<sup>\*\*28</sup> A/B GFE production delayed.

EV 4000/00 PUDGET PRODUC	TION	CCIII		D 24														DATE			Febi		n, 1	000						
FY 1998/99 BUDGET PRODUC APPROPRIATION/BUDGET AC			EDULE,	P-21									W	eapor	n Syste	em		D <sub>-</sub> 1 I	TEM N	OME	NCLA			999					—	
PROCUREMENT OF AMMUNIT			& MAR	INF C	ORPS								• • •	очро.	. 0,00			F-11	I LIVI IN	OIVIL	MA		-	CIII	1 A B	льлы	МІТ	ION		
	,		<b>ω</b> 1117 111		J. (. )		Pr	oduct	ion R	ate					F	rocure	ement	Leadt	imes		IVIA	<u> </u>	<u> </u>	<u> </u>	1 All	,,,,,,,	13111	1011		
		N	lanufact	urer's				-		<u> </u>		Α	LT Pri	or	Α	LT Aft	er		Initial		Re	eord	er					U	nit of	f
Item		Nar	ne and l	_ocatio	n	MS	SR	1-8	3-5	M	٩X	t	o Oct	1		Oct 1		N	/lfg PL	Т	Mf	g PL	Т		Tota	I		Me	asur	re
A678 20MM LINKLESS	LAKE	E CIT	Y AAP /	PRIME	X		25	1.2 /	.270	3.5 /	.790		6			6			1	2		12			18		TH			
A772/A450 20MM LINK	PRIM	/IEX R	ATE				61	61		1	75		6			6			1	2		12			18					
			T																										_	
ITEM (MANUEA OTUBES					_				I		FISCAL	YEAR 1									I	FISC		AR 20						
ITEM / MANUFACTURER	F Y	S V	Q T Y	D E	B A	0	1998 N	D	J	F	М	A C	M M	R YEAR J	1999 J	Α	S	0	N	D	J	F	М	A	DAR YE	EAR 20 J	J 20	А	S	В
		С	Y	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Ĺ
Q4010-20MM LINKLESS PGU-27/B (A6	78)																													
UNKNOWN	99	N	949.0	0.0	949.0							Α												100	100	100	100	100	100	349.0
UNKNOWN	00	N	1,132.9	0.0	1,132.9																		-	A	-		<u> </u>	-		1,132.9
Q4030-20MM LINK, PGU-27/B (A772/A	150)																													
PRIMEX, Marion IL	97	N	399.7	331.1	68.6					68.6													-							0.0
UNKNOWN	98	N	216.9	0.0	216.9					A						-		43.4	43.3	43.4	43.4	43.4	<del> </del>		<b></b>					0.0
UNKNOWN	99	N	252.4	0.0	252.4							Α												50	50	50	50	52.4		0.0
UNKNOWN	00	N	157.6	0.0	157.6																			Α						157.6
											FISCAL	YEAR 2	2001									FISC	AL YE	AR 20	02					
ITEM / MANUFACTURER	F	S	Q	D	В		2000						CA	LENDA	R YEAR	2001							(	CALEN	DAR YE	EAR 20	02			1
	Y	V C	T Y	E L	A L	0 0	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S	B A
						T	V	C	N	В	R	R	Y	N	L	G	P	T	v	C	N	В	R	R	Y	N	L	G	P	L
Q4010-20MM LINKLESS PGU-27/B (A6																														
UNKNOWN	99	N	949	600	349	100	100	149									ļ								<u></u>		L	$\perp$		0.0
UNKNOWN	00	N	1,132.9	0.0	1,132.9							94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5				ļ			0.0
Q4030-20MM LINK, PGU-27/B (A772/A4			457.0		457.0							F0 F		50.0																
UNKNOWN Remarks: Decaduation retains	00		157.6	0.0	157.6							52.5	52.5	52.6				I									ш			0.0

Remarks: Production rates are provided by the Army and include other services' buys.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

																		DAT	E											
FY 1998/99 BUDGET PRODUC			DULE,	P-21																				ary	1999	9				
APPROPRIATION/BUDGET AC													We	apon	Syst	em		P-1	ITEN	ΛNC	OMEN									
PROCUREMENT OF AMMUNIT	ΓΙΟΝ, N	YVA	& MAR	INE CO	ORPS																MA	CH	INE	GU	N A	MM	UNI.	ΓΙΟΙ	<u> </u>	
	1						Pro	oduct	tion F	Rate							ment	Lead												
			anufacti							١.			T Pr		A	LT A		_	Initia			eord							nit of	
Item		Nam	e and L	ocation	1	M	SR	1-	8-5	IV	1AX	to	Oct	1		Oct	1	N	/lfg Pl	<u>_T_</u>	Mf	g Pl	<u>-T</u>		Tota		+	Mea	asur	<u>e</u>
A677 20MM PGU-28/B	LAKE	E CITY	/ AAP /	PRIME	X	1	00	.173	/ .200	.596	5 / .500		6			6	3		1	2		12			18		TH			
A990 25MM PGU-32	ALLI	ANT T	ECH			U	NK	8	30	1	160		6			6	6		1	2		12			18		TH			
																											$\vdash$			
											FISCAL	YEAR 1	999									FIS	SCAL	YEAR	2000					
ITEM / MANUFACTURER	F	S	Q	D	В		1998					CALEND	AR YE	AR 199	9	.,			1999			,	(	CALENI	DAR YE	AR 20	00			
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	B A L
Q4050-20MM PGU-28A/B LK (A764)																														
UNKNOWN	98	N	100.7	0.0	100.7									Α										27.2	27.2		19.2	!		0.0
UNKNOWN	00	N	46.4	0.0	46.4		-			-	-		ļ			-	-					-				A		+		46.4
Q4150-25MM PGU-32 (A990)																														
UNKNOWN	98	N	182.1	0.0	182.1		-			-						-	-	50	50	50	32.1		-				<b>-</b>	-	-	
ONKNOWN	30	11	102.1	0.0	102.1					-								30	30	30	32.1		-					-		
											FISCAL	YEAR 2	001									FIS	SCAL	YEAR	2002					
ITEM / MANUFACTURER	F	S	Q	D	В		2000	Т			т	CALE	NDAR	YEAR 2	2001		1	T		1		1	(	CALENI	DAR YE	AR 20	02		Т	
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J U L	A U G	S E P	B A L
Q4050-20MM PGU-28A/B LK (A764)	00	N	46.4	0.0	46.4							46.4																-	_	0.0
WHOOD-ZOIVIIVI FOU-ZOAVO LK (A704)	00	IN	40.4	0.0	40.4							40.4																		0.0
Remarke:		1	I	I	I		1		I	1	-	I	1		I		1	<u> </u>	1		I	1	1	I						

Remarks:

\*Option to FY98 procurement.

Production rates are provided by the Army and include other services' buys.

ITEM NO 4 PAGE 6 Exhibit P-21 Production Schedule

		BUD	GET ITEM	JUSTIFICA	TION SHE	ET			DATE:			
				P-40					February 1	1999		
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURI	=			
PROCUREMENT	Γ OF AMMU	NITION	, NAVY & N	MARINE CO	RPS		Practice B	ombs (Y1Q	1)			
Program Element for	Code B Items:		-				Other Related	l Program Eler	nents			
B.A.1 - Navy Am	munition											
	Prior	ID									То	
	Years *	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$41.4		\$46.5	\$55.0	\$49.1	\$54.7	\$66.6	\$75.2	\$88.2	\$104.1	Cont	Cont

Practice Bombs are a low cost alternative to expenditures of live bombs for training. The MK 76 simulates an unretarded MK 80 series bomb. It is a 25 lb. cast iron shape with a breach hole for a MK 4 or CXU-3 signal which provides a smoke signal or flash upon impact. The BDU-48 simulates retard bombs. It is a 10 lb.thin cased cylindrical bomb with a breach hole for a MK4 or CXU-3 Signal. The BDU-45 NTP and MK 83 Inert are full-sized Practice Bombs. They are MK 80 series bomb bodies filled with an inert material and have the same weight, size, center of gravity and ballistics as a live bomb. The BDU-45 uses a CXU-4 signal cartridge for spotting location and simulates a 500 lb G. P. Bomb. These items are procured by the Army as a Single Manager for Conventional Ammunition .

The Laser Guided Training Round (LGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bomb (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics requires extensive cost effective training. The Laser Guided Training Round (LGTR) is capable of replicating the kinematics of LGB's to provide an increased basic training capability and follow-on advanced tactics development. It is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGB's. LGTR's provide actual hardware for aircrew and tactics development at a greatly reduced cost while maintaining LGB stockpiles.

The Production Engineering Support and Integrated Logistics Support are continuing annualized efforts associated with ongoing procurements of the Practice Bombs associated Signal Cartridge, BDU-45/B, MK 76, LGTR, fins and other practice weapons. These efforts include maintenance of PDP (Procurement Data Packages), participation in post award conferences, first article and quality assurance testing; ECP review/comments/recommendations, technical manual update, evaluation of engineering change proposal, and response to fleet inquiries.

	<u>98</u>	99	<u>00</u>	<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>
Navy Reserves	3.3							

P-1 SHOPPING LIST

DD Form 2454, JUN 86

ATION SHEET FOR	RAGGR	EGATED	ITEMS						DATE:			
P-40a									February 1	999		
APPROPRIATION/BUD	GET ACT	IVITY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT O	OF AMM	IUNITION	I, NAVY & N	IARINE COI	RPS (\$000)			ı	Practice Bo	mbs (Y1Q1	)	
	ID	Prior								Ì	To	
Procurement Items	Code	Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
MK 76	Α										Cont	Cont
QTY				301,572	196,236	196,236	220,000	220,000	240,000	280,000		
FUNDING				\$5,995	\$3,915	\$3,956	\$5,205	\$5,315	\$5,942	\$7,106		
BDU-45	Α											
QTY			10,349	14,553	8,000	8,000	8,000	8,000	9,000	10,000		
FUNDING			\$10,770	\$14,720	\$8,215	\$8,361	\$8,780	\$8,995	\$10,372	\$11,813		
BSU 33 FIN	Α											
QTY					8,000	4,000	4,000	4,000	4,500	5,000		
FUNDING					\$720	\$365	\$371	\$376	\$430	\$485		
BSU 86/B FIN (F766)	Α											
QTY						3,869						
FUNDING						\$2,558						
LGTR	Α											
QTY			2,447	4,289	1,940	2,587	4,672	4,450	5,827	6,900		
FUNDING			\$13,703	\$21,248	\$9,816	\$13,377	\$24,729	\$24,150	\$32,414	\$39,342		
				+	+							
L			1									

P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 2

CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86

BU	DGET	ITEM JUS	TIFICATION		OR AGGRE	GATED IT	EMS		DATE:	000		
APPROPRIATION/BUD	GET ACT	IVITY		P-40a			P-1 ITEM NON	/ENCLATUR	February 1	999		
PROCUREMENT O	-		NAVY & M	ARINE COI	RPS (\$000)	١			- Practice Bo	mbs (Y1Q1	١	
- KOOOKEMEN O	ID	Prior	,		(4000)					1211) 56	, To	
Procurement Items	Code	Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
MK 84 INERT	Α											
QTY			3,339					2,134	3,000	3,450		
FUNDING			\$8,600					\$8,112	\$8,699	\$10,253		
MK83 INERT	Α											
QTY			5,433	2,771	7,933	7,934	8,444	8,442	8,988	10,229		
FUNDING			\$10,808	\$6,166	\$18,146	\$18,477	\$20,380	\$20,876	\$22,782	\$26,584		
MK 83 CONICAL FIN	Α											
QTY					8,000							
FUNDING					\$1,551							
BSU 85 RETARD FINS	Α											
QTY						3,750	4,000	4,000	4,250	4,750		
FUNDING						\$2,468	\$2,672	\$2,713	\$2,926	\$3,319		
Other Costs			\$2,643	\$6,824	\$6,743	\$5,110	\$4,488	\$4,677	\$4,678	\$5,221		
		<b></b>	<b>*</b> 12 = 2 1	<b>A</b>	212122		222.22	<b></b>	222.242	<b>A</b> 1 <b>a</b> 1 1 <b>a a</b>		
Total		\$41,373	\$46,524	\$54,953	\$49,106	\$54,672	\$66,625	\$75,214	\$88,243	\$104,123	Cont	Cont
							<b> </b>					<u> </u>
					5 4 01 10 5 5 1							

P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 3

	WEAPONS SYSTEM	cos	T ANALYS	SIS		Weapon Sy	stem		DATE:			
	P-	5							Februar			
	PRIATION/BUDGET ACTIVITY		\/\/ O B#A	DINE CODE		ID Code	P-1 ITEM N	IOMENCLA	ATURE/SUB	HEAD		
	UREMENT OF AMMUNITION	I, NA	VY & IVIA	KINE CORF	<b>'</b> 5		Drastica	Damba /	V4O4\			
D.A. I	- Navy Ammunition		TOTAL COL	ST IN THOUSAN	IDC OF DO	N I ADC	Practice	Bombs (	TIQI)			
				ST IN THOUSAI		JLLAKS	T					
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000	
CODE		Code	Years * Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
							00					
Q1010	MK 76(E973)	Α					301,572	19.88	5,995	196,236	19.95	3,915
Q1040	MK 82 INERT, BDU 45/B (F017)	Α		10,349	1,040.68	10,770	14,553	1,011.49	14,720	8,000	1,026.88	8,215
QTBD	BSU 33 FIN (F782)	Α								8,000	90.00	720
QTBD	BSU 86/B FIN (F766)	Α										
Q1300	Laser Guided Training Round	Α		2,447	5,600.00	13,703	4,289	4,954.00	21,248	1,940	5,060.00	9,816
Q1070	MK 84 Inert (MOD 7) NTP	Α		3,339	2,575.62	8,600						
Q1060	MK 83 Inert (E511)	Α		5,433	1,989.32	10,808	2,771	2,225.09	6,166	7,933	2,287.42	18,146
QTBD	MK 83 Conical Fin	Α								8,000	193.91	1,551
Q1800	ILS					400			400			400
Q1830	PES					1,643			4,935			4,950
Q1831	PES/ARMY			•					889			793
Q1850	PIP					350			350			350
Q1894	Gauging					250			250			250
	TOTAL M 2446, JUN 86	D 1 C	<b>41,373</b> SHOPPING L	IST		46,524			54,953			49,106

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

BUDGET PROCURE	MENT HIST	ORY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
								Fe	b-99	
B. APPROPRIATION/BUDGE					C. P-1 ITEM NOM				SUBHEAD	
PROCUREMENT OF		ON, NAVY 8	MARINE CORPS			Practice Bombs			Y1	Q1
B.A.1 - Navy Ammun	ition	, ,			001/27/107	1	1			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
Q1010 MK 76 (E973)		(000)								
FY 99	301,572	19.88	Rock Island, IL	Aug-98	C/FP	UNKNOWN	Apr 99	Jun-00	YES	
FY 00	196,236	19.95	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 00	Jun-01	YES	
Q1040 BDU-45/B (F01			,							
FY 96	11,298	813.24	Rock Island, IL	Aug 95	SS/FP	MCALESTER, AAP (MCALESTER, OK)	Sep-96	Jun-98	YES	
FY 97 **	3,078	706.27	Rock Island, IL	Aug-96	SS/FP	MCALESTER, AAP	Sep-97	May-99	YES	
FY 98	10,349	1,040.68	Rock Island, IL	Aug-97	SS/FP	MCALESTER, AAP	Apr-98	Jun-99	YES	
FY 99	14,553	1,011.49	Rock Island, IL	TBD	SS/FP	MCALESTER, APP	Apr 99	Jun-00	YES	
FY 00	8,000	1,026.88	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 00	Jun-01	YES	
Q1300 Laser Guided T	raining Rou	und								
FY 97*	815	5,600.00	NAVAIR	Aug-98	SS/FP	LORAL	Oct-98	Jun-99	YES	
FY 98*	2,447	5,600.00	NAVAIR	Aug-98	SS/FP	LOCKHEED-MARTIN	Oct-98	Jun-99	YES	
FY 99	4,289	4,954.00	NAVAIR	TBD	C/FP	UNKNOWN	Apr 99	Jun-00	YES	
FY 00	1,940	5,060.00	NAVAIR	TBD	C/FP	UNKNOWN	Apr 00	Jun-01	YES	
Q1060 MK 83 Inert										
FY 98	5,433	1,989.32	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jul-98	Jun-99	YES	
FY 99	2,771	2,225.09	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP (MCALESTER, OK)	Apr 99	Jun-00	YES	
FY 00	7,933	2,287.42	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Apr 00	Jun-01	YES	
Q1070 <u>MK 84 INERT I</u>	NTP									
FY 98	3,339	2,575.62	Rock Island, IL	Aug-97	SS/FP	MCALESTER, AAP	Jun 98	Aug 99	YES	
				- C						
D. REMARKS										

D. REMARKS

<sup>\*</sup>LGTR contract awarded by NAVAIR in October 1998, final definitization expected in February 1999.

<sup>\*\*</sup> BDU-45 Delayed due to charge case assembly problems, lack of conforming material, and paint primer problems.

BUDGET PROCURE	MENT HISTO	ORY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE Fe	b-99	
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NOMI	ENCLATURE		•	SUBHEAD	
PROCUREMENT OF B.A.1 - Navy Ammun		ON, NAVY	& MARINE CORPS			Practice Bombs			Y1	Q1
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
QTBD BSU33 FIN FY 00	8,000	90.00	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr 00	Jun-01	YES	
QTBD MK 83 CONICA FY 00	AL FIN 8,000	193.91	Rock Island, IL	TBD	SS/FP	UNKNOWN	Apr 00	Jun-01	YES	
D. REMARKS										

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 5 PAGE NO. 6

<b>BUDGET PRODUCTION S</b>			-21															DATE		Febru	ary 199	99								
APPROPRIATION/BUDGET PROCUREMENT OF AMM	_		\/V & I\	A A DINI	E COB	DC							'	Weapo	on Sys	stem		P-1 I	TEM N	IOME	NCLAT		ctice	Romb	e (V1)	01)				
FROCORLIVILIAT OF AWIND	DIVITION	v, IVA	VI CX IV	IANIN	L CON	T 3	Pr	oduc	tion	Rate						Pro	curem	ent Le	adtime	es		IIa	CHCC		3 (11)	Q 1)				
		Ma	anufact	urer's				1		1 1010		Α	LT P	rior	P	LT Af			Initia			Reord	er					U	nit of	-
Item		Nam	e and I	_ocatio	on	M	SR	1-	8-5	М	AX	1	to Oc	t 1		Oct 1			Mfg Pl	_T	ı	Mfg PL	_T		Tota	I		Me	asure	Э
BDU-45			ER (OI	K)		45		80			000					6			14						20			THO	USAN	ND
MK 76	UNK	NOW	N			100	000	400	000	800	000					6			14						20		T۱	NIN/B	ULK	(TH)
									FIS	CAL Y	EAR 1	999										FIS	CAL YE	AR 2000	)			—	—	П
ITEM / MANUFACTURER	F	S	Q	D	В		1998							CALEN	DAR YE	AR 199	9					~ <b>*</b> p~~~~~~~~	C	ALENDA	AR YEA	R 2000	~			]
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	Ŋ	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	Ŋ	A U G	S E P	B A L
MK-76 (E973)		N				<b>-</b> '-	V	C	IN	В	K	K		IN		G		<u> </u>	V	C	IN		K	K	1	IN		+ -	+-	<del>                                     </del>
UNKN OWN	99		301.6	0	301.6							Α														30	30	30	30	181.6
UNKNOWN	00	N	196.2	0	196.2																			Α						196.2
BDU-45/B (F017)																														
MCALESTER *	97		3.1	0	3.1			ļ					1	1	1.1															0.0
MCALESTER	98		10.3	0	10.3		-	ļ		-				0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.4			ļ		0.0
MCALESTER MCALESTER	99		14.6	0	14.6			1		-		Α									-	-	-			1.6	1.6	1.6	1.6	8.2
MCALESTER	00	***************************************	8.0	0	8.0																			A						8.0
ITEM / MANUFACTURER									FIS	CAL Y	EAR 2	001		041.51	DAD V.	4 D 000						FIS	CAL YE			D 0000				_
TIEM / MANUFACTURER	F Y	S V	Q T	D E	B A	2000 O	N	D	J	F	М	Α	М	CALEN	DAR YE	AR 200	S	0	N	D		T F	М	CALEND	M YEA	J J	IJ	A	S	В
	'	č	Ý	Ĺ	Ĺ	C	0	E	A N	E	A R	P R	A	U	U	U	E	C	0 V	E	A N	E	A R	P R	A	U	U	U	E	A L
Mk 76 (E973)																														
UNKNOWN	99		301.6	120.0	181.6	25	25	25	25	25	25	25	6.6		~ ~~~~~~	ļ							ļ				~			0.0
UNKNOWN	00		196.2	0	196.2					_			-	16.3	16.4	16.3	16.4	16.3	16.4	16.3	16.4	16.3	16.4	16.3	16.4	-		+	-	0.0
BDU-45/B (F017)																														
MCALESTER	99		14.6	6.4	8.2	1.6	1.6	1.6	1.6	1.8																				0.0
MCALESTER	00		8.0	0.0	8.0									1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0									0.0
																												-		
Remarks: * BDU-45 Delaye	d due to	charg	je case	asser	nbly pr	oble	ms, I	ack o	of co	nform	ning n	nater	ial, a	nd pai	int prir	ner pr	oblem	s.												

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311/244 ITEM NO. 5 PAGE NO. 7 Exhibit P-21 Production Schedule

MK 84 Inert								99	y 199	uary '	Febru		E	DATE																21			SUDGET PRODUCTION SCHEE
Item		)	Q1)	 (Y1Q	BS (	зом					NOM	1 ME	ITE	P-1		em	Sys	pon	Wea							S	CORP	RINE	MAF	/Y &			
Item		·									nes	dtin	Lea	ent I	rem	rocu	F					ate	on R	oduct	Pr								
LGTR	Unit		Т				r	eorde	Re			nitial	lr		er	T Af	AL	or	T Pri	AL								rer's	factu	/lanu	М		
LGTR	Meas			al	Tota		Γ	a PL	Mf		T	a PL	Mfd			Oct 1	(	1	Oct	to	λX	M	-5	1-8	R	MS	n l	ocatio	nd Lo	me a	Nan		Item
MK 83 Inert  MCALESTER (OK)  1800 3800 9000 6 6 14    C	EAC		$\pm$		15			<u> </u>	,				_			6					١K	1U			K	UN	ORAL	TIN(L	MAR	ED-I	KHE	LOC	GTR
MK 84 Inert	THOUS	Т	$\top$		20							4	1			6					20	90			0	180		)	(OK	STFR	LES	MCA	MK 83 Inert
ITEM / MANUFACTURER	THOU		+																									)	(OK	STER	LES	MCA	1K 84 Inert
TEM   MANUFACTURER	11100					2 200	ΙVΕΔ	FISC										000	ΔR 1	CALV								_					
Y	*******************************	```		ΛΡ 20				1 1307						I		1000	VEAD				1 10					1008	В	D	,		۰	_	ITEM / MANUFACTURER
Company   Comp	-	J	T	J	М	Α	М		J	J						Α	J	J	М	Α			J	_		0		Е	г	Т	V		TIEW/ WANGI ACTORER
Laser Guided Training LOCKHEED-MARTIN' 97 815 0 815 A	- 1 - 1	- 1																															
LOCKHEED-MARTIN*   97			T																											1	N		
LOCKHEED-MARTIN'   98																																	aser Guided Training
UNKNOWN 00 1940 0 1940					l																												
UNKNOWN 00			4		93	214	214	214	14	214	214	14	2	214	214	214	214	214								Α							
MK 83 Inert 98 N S S S S S S S S S S S S S S S S S S	60 360 3	360	0 3	360																Α													
MCALESTER  98  5.4  0 5.4  0 7.9  0 7.9  0 7.9  0 7.9  MK 84 Inert  MCALESTER  98  3.3  0 3.3  0 3.3  0 3.3  0 5.4  0 0 N D J F M A M J J J A S O D E A E A E A P A D A U U U U U S C N B R R Y N N L G P T V C N B R R Y N N L G P T V C N B R R Y N N L G P T V C N B R R Y N N L G P T V C N B R R Y N N L G P T T V C N B R R R Y N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G R P T T V C N R R R Y N N L G R P T T V C N R R R Y N N L G R P T T V C N R R R T T T V C N R R T T T T V C N R T T T T T T T T T T T T T T T T T T				<u> </u>		Α																					1940	0	40			00	
MCALESTER 99				ļ	<b></b>								ļ																		N		
MCALESTER  00  7.9  0 7			4	<u> </u>						_		_	_			1.8	1.8	1.8															
MK 84 Inert 98 3.3 0 3.3 0 3.3	.4	1.4	1	1.4									-							Α													
MCALESTER  98  3.3  0			_			A							+-														7.9	0	9			00	
TEM / MANUFACTURER				-									-	4.4	4.4	4.4											2.2		_		N	00	
TEM/MANUFACTURER			ㅗ							1				1.1	1.1	1.1							-				3.3	U	3	3.		98	MCALESTER
Y   V   T   E   A   L   D   N   D   J   F   M   A   M   J   J   J   A   S   O   N   D   J   F   M   A   M   J   J   J   L   S   D   D   J   F   M   A   M   J   J   J   J   J   J   J   J   J								FISC													001	/EAR 2	SCAL	F			_	_			_	_	ITEM (MANUEL OTUBER
C Y L L C O E A E A P A V N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G T V C		<u> </u>	J02	AR 200	R YE	_END/	CA			_			_			2001	YEAR	DAR	CALEN						00	200						F	TIEM / MANUFACTURER
UNKNOWN 99 4289 1440 2849 360 360 360 360 360 360 360 360 360 360	UU	U		U	Α	Р	Α	Е	A	Α	Е	0		С	Е	U	U	Ü	Α	Р	Α	Е	A	Е	0	С						Y	
UNKNOWN 00 1940 0 1940	+		十	$\overline{}$						1			1																+	1	N		aser Guided Training Round
N			T																329	360	360	360	360	360	360	360	2849	440	89 1	428		99	UNKNOWN
MK 83 Inert					180	160	160	160	60	160	160	60	1	160	160	160	160	160									1940	0	40	194		00	UNKNOWN
MK 83 Inert																																	
MK 83 Inert				-						_			-																		NI		
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																														1			
Remarks: LGTR LETTER CONTRACT AWARDED IN OCTOBER, DEFINITIZATION EXPECTED IN FEBRUARY			丄																														

FY 1998/99 BUDGET PROD			HEDUL	E, P-21	l													DATE		Febr	uary 1	999							
APPROPRIATION/BUDGET APROCUREMENT OF AMMUN			Y & M.	ARINE	CORP	s							We	apor	n Sys	stem		P-1	ITEN	1 NO	MENC PF		JRE ICE E	BOME	3S (Y	1Q1	1)		
							P	roducti	ion Ra	ate						Proc	ureme	ent L	eadti	mes									
		М	anufac	turer's								AL	T Pri	ior	А	LT A	fter		Initia	ıl	R	Reord	er					Unit	of
Item		Nan	ne and	Location	n	MS	SR	1-8	3-5	М	to	Oct	1		Oct	1	N	lfg P	LT	M	lfg PL	_T		Total			Meas	sure	
BSU 33 FIN	UNK	NON	/N			700	00	900	00	150					6			14						20		Т	HOUS	ANDS	
BDU 48	UNK	NON	/N			100	0000 40000 80000									6			14						20		Т	HOUS	ANDS
MK 83 CONICAL	UNK	NOW	/N			700	7000 9000 15000									6			14						20				SANDS
									CAL YE	AR 19	99								FISCA	AL YEAR	R 2000	)							
ITEM / MANUFACTURER	F	s	Q	D	В	1998	FISCAL YEAR 19  CALENI  N D J F M A M							DAR Y	EAR	1999							CALE	NDAR	YEAR	2000	)		
	Y	C	T Y	E L	A L	0 C T	N O V	D E C	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N C	J U L	U	S A L			
BSU 33 FIN	00	N	8.0	0	8.0																			Α					8.0
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MK 83 CONICAL	00	N	8.0	0	8.0		-			-				-					-			-			-				8.0
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A	200	0	1		Τ	I		ALEN	DAR Y	EAR :	2001			T	1		Т	CALE	NDAR	YEAR	2002	Ι	TT-	В
		Č	Ý	L	L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U J	J U L	U	S A E L
L. C.																1													
BSU 33 FIN	00	N	8.0	0	8.0									1	1	1	1	1	1	1	1								0.0
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MK 83 CONICAL	00	N	8.0	0	8.0									1	1	1	1	1	1	1	1				-				0.0
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Remarks:									<b>I</b>						<u> </u>			<b>I</b>											

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311 / 244 ITEM NO 5 PAGE 9

		BU	DGET ITEM	JUSTIFICA	ATION SHE	ET			DATE:			
				P-40					February 1999			
APPROPRIATION/BL	JDGET ACTIV	ΊΤΥ					P-1 ITEM NO	MENCLATUR	Ē			
PROCUREMENT	OF AMMUI	NITION,	NAVY & M	ARINE CO	RPS		Cartridges	and Cartri	dge Actuated Device	s (CARTS/C	ADS) (Y1Q	8)
Program Element for Code  B.A.1 - Navy Ammunition							Other Related Pr	rogram Elements				
	Prior	ID									То	
	Years *	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$54.0		\$24.0	\$25.9	\$26.8	\$27.3	\$27.9	\$28.5	\$29.1	\$29.6	Cont	Cont

#### Escape System/Life Support Devices

These items, such as safety/arming devices, sequence controls, shielded mild detonating cord, gas generators, initiators, thermal batteries, etc, are used in aircraft emergency escape systems. The total number of devices installed varies with the type of aircraft, for example: F-14/A(273); F/A-18(136); S-3(105); EA-6B(45), T-45(76), T/AV-8(90) and AH-1(27). These explosives have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet the standard. Life support devices such as the Sea Water Activated Release System and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection. The budget request provides funding for the procurement of NACES items, JAU-52/A and BBU-57/A Cutter.

#### Weapons/Stores Release Cartridges

These items are used to eject weapons/stores from aircraft. The JAU-22 and other miscellaneous impulse cartridges are used to eject sonobuoys from aircraft. The budget request provides for CCU-107 Impulse Cartridges and the JAU-22/B Initiator Cartridges.

#### Integrated Logistics Support

Integrated Logistics Support (ILS) efforts provide for ILS planning, maintenance standardization, conducting supply support, technical data programs, and generation and implementation of a traceability system.

#### Production Engineering Support

The Production Engineering Support (PES) efforts include: the review of procurement requests, waivers and deviations, technical support of Lot Acceptance Testing/First Article Testing, as well as conforming to new EPA regulations.

#### Product Improvement Programs

Product Improvement Programs (PIP) are conducted as part of a continuing effort to correct deficiencies in areas of safety, reliability, maintainability, producibility, and to increase the service life of CARTS and CADS.

\*FY 95/96/97 only. Prior to FY 95, this program is funded in the Other Procurement, Navy BA-5 appropriation.

1	BUDGE	T ITEM J	USTIFICATION P-40		FOR AGGR	EGATED I	ГЕМЅ		DATE:	February 1	999	
APPROPRIATION/BUD	GET AC	TIVITY					P-1 ITEM NON	MENCLATURE				
PROCUREMENT OF AMMU	INITION. N	AVY & MARIN	E CORPS (\$000)				Car	tridges and Car	ridge Actuated De	evices (CARTS/C	ADS) (Y1Q8)	
	ID	Prior	(,,,,					3			To	
Procurement Items	Code	Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
CCU-107 Init. Ctg. (MT95)											Cont	Cont
QTY			0	180,000	250,000	250,000	250,000	250,000	250,000	250,000		
Funding				\$844	\$1,198	\$1,225	\$1,253	\$1,285	\$1,313	\$1,343		
JAU-22/B Init. Ctg. (MF64)												
QTY			190,000	68,000	90,000	110,000	110,000	110,000	110,000	110,000		
Funding			\$2,316	\$952	\$1,287	\$1,608	\$1,646	\$1,687	\$1,725	\$1,762		
Thermal Battery (CWDR)												
QTY				153	252	286	347	368	352	352		
Funding				\$521	\$860	\$994	\$1,229	\$1,331	\$1,301	\$1,457		
BBU-57/A Cutter (SR95)												
QTY				46	57	73	67	66	63	63		
Funding				\$377	\$477	\$769	\$719	\$723	\$706	\$791		
JAU-52 (MJ91)												
QTY			121		168	297	226		218	218		
Funding			\$396		\$574	\$935	\$726		\$731	\$819		
Navy Aircrew Common Eject	ion Seat											·
QTY												
Funding			\$1,237	\$1,601	\$962	\$1,455	\$2,082	\$2,670	\$1,741	\$1,780		
Misc Devices			\$10,904	\$12,422	\$12,487	\$11,026	\$11,015	\$11,625	\$12,302	\$12,221		
Other Support			\$9,131	\$9,142	\$8,981	\$9,322	\$9,183	\$9,132	\$9,231	\$9,463		
TOTAL		\$54,000	\$23,984	\$25,859	\$26,826	\$27,334	\$27,853	\$28,453	\$29,050	\$29,636	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 6 PAGE NO. 2

	WEAPONS S	SYSTEM CO P-5	ST ANALYSIS				Weapon Sys	stem	DATE: February	/ 1999		
APPROF	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLATU	JRE/SUBHEAD	)		
PROCUR	EMENT OF AMMUNITION, NAVY & MARINE	E CORPS										
B.A. 1 - N	Navy Ammunition		1	T			Cartridges a	and Cartridg	e Actuated De	vices		
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000	
		Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	
	STORES RELEASE											
Q8TBD	CCU-107 Imp Ctg (MT95)	А				0	180,000	4.69	844	250,000	4.79	1,198
Q8090	JAU-22/B Init. Ctg. (MF64)	А		190,000	12.19	2,316	68,000	14.00	952	90,000	14.30	1,287
	SAFETY											
Q8060	Thermal Battery (CWDR)	А				0	153	3,405.46	521	252	3,412.50	860
Q8080	BBU-57/A Cutter (SR95)	А				0	46	8,188.85	377	57	8,363.99	477
Q8120	JAU-52 (MJ91)	А		121	3,276.39	396	;		0	168	3,417.59	574
Q8300	Navy Aircrew Common Ejection Seat	А				1,237			1,601			962
Q8600	Misc Devices Under \$500K					10,904			12,422			12,487
Q8800	Integrated Logistics Support					1,768			1,795			1,728
Q8830	Production Engineering Support					2,498			2,398			2,643
Q8840	Quality Assurance					328			344			362
Q8850	Product Improvement Program					3,550			3,571			3,040
Q8860	Acceptance Testing					987			1,034			1,208
	TOTAL 1 2446, JUN 86		54,000 HOPPING LIST			23,984			25,859		ATION: UNC	26,826

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 6 PAGE NO. 3

BUDGET PROCUREM	IENT HIST	ORY AND P	LANNING EXHI	BIT (P-5A)		Weapon System		A. DATE	February 1	999
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOM	ENCLATURE		ı	SUBHEAD	
PROCUREMENT OF A	AMMUNITIO	ON, NAVY 8	MARINE CORP	S	Car	tridges and Cartridge Actuate	ed Device	es	Y10	28
B.A.1 - Navy Ammuni	tion									
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
STORES RELEASE										
Q8TBD CCU-107 Imp Ctg	(MT95)									
FY 99	180,000	4.69	NAVICP	TBD	C/CR	UNKNOWN	Apr-99	Apr 00	YES	
FY 00	250,000	4.79	NAVICP	TBD	C/CR	UNKNOWN	Apr-00	Apr-01	YES	
Q8120 JAU-22/B Init. Ctg	(MF64)									
						ACTION/AMTEC CORP				
FY 98	190,000	12.19	NAVICP	Jan 98	C/CR	(JONESVILLE,WI/ATALIN,PA)	Apr-98	May-99	YES	
FY 99	68,000	14.00	NAVICP	TBD	C/CR	UNKNOWN	Apr-99	Apr 00	YES	
FY 00	90,000	14.30	NAVICP	TBD	C/CR	UNKNOWN	Apr 00	Apr 01	YES	
<u>SAFETY</u>										
Q8060 Thermal Battery (										
FY 99	153	3405.46	NAVAIR BUY	TBD	SS/FP	Martin Baker, London UK	Apr 99	Apr 00	YES	
FY 00	252	3412.50	NAVAIR BUY	TBD	SS/FP	Martin Baker	Apr 00	Apr 01	YES	
Q8080 BBU-57/A Cutter(	I SR95)									
FY 99	46	8188.85	NAVICP	TBD	SS/CR	NORTHROP (HAWTHORNE, CA.)	Apr-99	Apr-00	YES	
FY 00	57	8363.99	NAVICP	TBD	SS/CR	NORTHROP	Apr 00	Apr 01	YES	
Q8120 JAU-52/B Init. Ctg	l ı (MJ91)									
FY 98	121	3276.39	NAVICP	August 1997	SS/CR	ROCKET RESEARCH	Apr-98	Jun-99	YES	
FY 00	168	3417.59	NAVICP	TBD	SS/CR	ROCKET RESEARCH	Apr 00	Apr 01	YES	
D DEMARKS		3			00,0.1	11001121111221111011		, ,,,, , , ,		1

D. REMARKS

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO. 6 PAGE NO. 4

BUDGET PRODUCTION SC	HEDULE	, P-2	1															DATE					Febr	ruary	1999					
APPROPRIATION/BUDGET ACTIVI	TY												'	Neapor	n Systei	m		P-1 IT	EM NO	MENC	LATU	RE								
PROCUREMENT OF AMMUNITION	, NAVY & I	/ARIN	E CORF	PS															Ca	rtridge	s and	Cartri	idge A	ctuate	d Devi	ces (C	ARTS/	CADS)	(Y1Q8	3)
							Produc	tion Ra	te							Procur	ement l	Leadtim	ies											
		М	lanufact	urer's								,	ALT Pric	or		ALT Aft	er		Initial		F	Reorde	er					ι	Jnit of	f
Item		Nam	ne and L	ocation		М	SR	1	-8-5	MAX			to Oct 1	1		Oct 1			Mfg PL	Т	N	Лfg PL	.T		Tota	l			easur	
JAU-52/B Init. Ctg (MJ91)	Rocke					MSR 1-8-5 MAX UNK 150 350								6			12						18				Each	-		
BBU-57/A Cutter (DF03)	NORT					U	NK	ι	JNK	UNK						6			12						18				Each	
Thermal Battery (CWDR)			r, Lond	lon UK		U	NK	+	JNK	UNK						6			12						18				Each	
CCU-107 Imp. Ctg. (MT 95)	UNKN	OWN	-			U	NK	l	JNK	UNK						6			12						18			Thou	sands	
JAU-22/B Init Ctg (MF64)	ACTIC	N/AMT	TEC CO	RP		U	NK	L	JNK	UNK						6			12						18				sands	
								FIS	SCAL YE	AR 1999	)											FI	SCAL Y	EAR 2	000					
ITEM / MANUFACTURER	F	s	Q	D	В	1998			I					CAL	ENDAR	YEAR 1	999				T				DAR YE	AR 200	00			
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						Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	Р	L
CCU-107 Imp. Ctg. (MT 95)		N																												
Unknown	99		180	0	180							Α												15	15	15	15	15	15	90.0
Unknown	00		250.0	0.0	250.0			ļ		ļ	ļ			ļ		ļ	ļ	ļ						Α	ļ				ļ	250.0
JAU-22/B Init Ctg (MF64)		N	000 -	450.5	7		ļ	100		1000	00.5			ļ	ļ	-				ļ			ļ		ļ	-		ļ	ļ	
Action/AMTEC Corp	97		233.0 190.0	158.2 0.0	74.8 190.0		1	10.0	22.0	22.0	20.8	ļ	16.0	16.0	10.0	16.0	100	10.0	16.0	10.0	16.0	16.0	16.0	14.0	<u> </u>	+		-	-	0.0
Action/AMTEC Corp Unknown	98		68.0	0.0	190.0	<b> </b>	1	-	1	-	-	A	10.0	10.0	16.0	16.0	16.0	16.0	10.0	16.0	10.0	0.01	0.01	5.0	5.0	6.0	6.0	60	6.0	34.0
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Thermal Battery (CWDR)		N						-					-		ļ													-		
Martin Baker	99		153	0	153							Α												13	13	13	13	13	13	75.0
Martin Baker	00		252	0	252								ļ											Α						252.0
BBU-57/A Cutter (SR95)		N																												
Northrop	99		46	0	46							Α											ļ	4	4	4	4	4	4	22.0
Northrop	00		57	0	57			ļ		-	ļ			ļ			ļ			ļ			ļ	Α	ļ	ļ		ļ		57.0
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CCU-107 Imp. Ctg. (MT 95)		N					-	-		-	-			-		-	-						-		<u> </u>	-				·
Unknown	99		180	90.0	90.0	15	15	15	15	15	15		<del> </del>	<b></b>		+	-			<del> </del>			<del> </del>		<del>                                     </del>	+		<del> </del>		0.0
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JAU-22/B Init Ctg (MF64)		N									T							1												
Unknown	99		68.0	34	34.0	6.0	6.0	6.0	6.0	5.0	5.0																			0.0
Unknown	00		90	0	90							8	8	8	8	8	8	8	8	8	8	5	5							0.0
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Thermal Battery (CWDR)		N	4		<b></b>	<b></b>	1	4		<b></b>	1			ļ		ļ							ļ		ļ	ļ		ļ		
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BBU-57/A Cutter (SR95)	99	IN	46	24	22	4	4	4	4	3	3		1			1	1			1		l				1		1		0.0
	99	IN	46 57	24 0	22 57	4	4	4	4	3	3	5	5	5	5	5	5	5	5	5	4	4	4							0.0
BBU-57/A Cutter (SR95) Northrop		IN				4	4	4	4	3	3	5	5	5	5	5	5	5	5	5	4	4	4							
BBU-57/A Cutter (SR95) Northrop		IN				4	4	4	4	3	3	5	5	5	5	5	5	5	5	5	4	4	4							

BUDGET PRODUCTION SO		E, P-2	21											Maans:	Cuete			DATE									Febr	uary 1	999
PPROPRIATION/BUDGET ACTIVI													'	Veapon	Systen	n		P-1 ITE					.d 4	_44-	al Daville	(0	ADTO"	CADC)	V400)
PROCUREMENT OF AMMUNITION	, NAVY &	MARIN	E CORP	S		1														triage	s and	Cartri	age A	ctuate	d Devic	es (C/	AR 15/	CADS) (	Y1Q8)
				Production Rate												Procure													
				ıfacturer's									ALT Pric		1	ALT Afte	er		Initial			eorde							nit of
Item			ne and L	ocation.		MSR 1-8-5 MAX							to Oct 1			Oct 1		N.	∕lfg PLT		M	lfg PL	T		Total				asure
AU-52/B Init. Ctg (MJ91)		t Resea				UNK 150 350 UNK UNK UNK										6			12						18				ach
BBU-57/A Cutter (DF03)		HROP								UNK						6			12						18				ach
hermal Battery (CWDR)	MSA						INK	UN		UNK						6			12						18				ach
CCU-107 Imp. Ctg. (MT 95)	UNKN	IOWN					INK	UN		UNK						6			12						18			Thous	
AU-22/B Init Ctg (MF64)	ACTIO	JN/AM I	LEC COI	RP.			INK	UN		UNK						6			12						18			Thous	ands_
								FISCAL	YEAR 1	1999												FIS		EAR 2					
ITEM / MANUFACTURER	F	S	Q	D	В	1998					,				***************************************	YEAR 19									DAR YEA				
	Υ	V	T Y	E L	A L	0	N	D E	J	F	M	A P	M	Ŋ	Ŋ	A U	S E	O C	N O	D E	J	F E	M	A P	M	Ŋ	Ŋ	A U	S E
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AU-52 (MJ91)		N	401		404						ļ			4-		4-		1			10								
Rocket Research	98 00		121 168	0	121 168					-	-			15	15	15	15	15	15	15	16								16
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AU-52 (MJ91)		N	<b> </b>				-	-		-	<del> </del>					-				***************************************			-		ļ			<b> </b>	
Rocket Research	00	IN	168	0	168			<b></b>		+	-	14	14	14	14	14	14	14	14	14	14	14	14		<u> </u>			<b>-</b>	C
TOOKOT TEGGRATUT	- 00	<b></b>	100		.00		<b></b>	-	<b>-</b>	+	+	<del>  '</del> -				'-	'7		1.7						<del> </del>	-			
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311/244 ITEM NO 6 PAGE 6 Exhibit P-21 Production Schedule

		BUI	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						February 1	999	
APPROPRIATION/BUDG	GET ACTIVI	ΓY					P-1 ITEM NO	MENCLATURE				
<b>PROCUREMENT O</b>	F AMMUN	IITION,	NAVY & MA	ARINE COR	PS		Aircraft Es	cape Rocke	ts/Catapult	s (Y1Q9)		
Program Element for Co	de B Items:						Other Related	Program Elem	ents			
B.A.1 - Navy Ammu	unition											
	Prior	ID									То	
	Years *	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$27.3		\$8.2	\$10.3	\$10.5	\$10.7	\$10.9	\$11.2	\$11.4	\$11.7	Cont	Cont

This program provides funding for rocket motors, rocket catapults and catapults used to eject crewmen from disabled aircraft. The program is structured to meet replacement requirements that are based on aircraft inventories and escape rocket/catapults service lives. An aircraft containing a single escape rocket/catapult not up to man-rated standards is grounded for safety-of-flight. Spare inventories are limited to the lowest level that can be maintained without causing aircraft grounding due to shortfalls. Devices are also used to function aircraft emergency safety systems. The FY 1998 and 1999 budget request provides funding for the procurement of MK 122 parachute deployment rocket motors, Mk 123/124 underseat rocket motors and Mk 100 Rocket Motor, various miscellaneous devices, PIP and associated production engineering and integrated logistics support.

<u>PES</u>: Production Engineering Support efforts include the review of procurement requests, waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing. Conformance with new EPA regulations is part of the PES review.

<u>ILS</u>: Integrated Logistics Support efforts will provide ILS planning, maintenance standardization, supply support, the generation and implementation of a traceability system, and technical data programs.

<u>PIP</u>: Multi-year Product Improvement Programs consists of programs to ensure producibility and safety for the MK 109 Canopy Remover Rocket Motor, the MK 12/16/18 Rocket Catapults, as well as the MK 100/101/123/124 Underseat Rocket Motors.

\*FY 95, 96 & 97 only. Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation

				DATE:							
									February <sup>1</sup>	1999	
GET AC	TIVITY					P-1 ITEM NO	MENCLATU	RE			
F AMM	UNITION,	, NAVY & N	MARINE CO	ORPS (\$0	00)	Ai	rcraft Esc	ape Rocke	ts/Catapu	Its (Y1Q9)	
ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Α										Cont	Cont
		217 \$593	123 \$386	15 \$48	33 \$108	110 \$369	212 \$730	173 \$624	238 \$879		
А											
		6 \$45	\$0	51 \$421	39 \$329	70 \$605	60 \$532	27 \$251	38 \$362		
Α											
		6 \$45	\$0	117 \$967	107 \$904	106 \$917	94 \$833	50 \$464	50 \$476		
		40.000	• • • • •			20.100	40.700	2	<b>A</b> = 2		
			-								
		\$4,872	\$5,137	\$5,250	\$5,330	\$5,532	\$5,558	\$5,625	\$5,780		
	\$27,273	\$8,164	\$10,318	\$10,469	\$10,687	\$10,922	\$11,186	\$11,420	\$11,650	Cont	Cont
		_						_		_	
	F AMM ID Code A	A A A	F AMMUNITION, NAVY & NOTE   ID	F AMMUNITION, NAVY & MARINE CO  ID Prior Years FY 1998 FY 1999  A 217 123  \$593 \$386  A 6  \$45 \$0  A 6  \$45 \$0  \$4,795  \$4,872 \$5,137	F AMMUNITION, NAVY & MARINE CORPS (\$0  ID Prior Years FY 1998 FY 1999 FY 2000  A 217 123 15  \$593 \$386 \$48  A 6 51  \$45 \$0 \$421  A 6 117  A \$45 \$0 \$967  \$2,609 \$4,795 \$3,783  \$4,872 \$5,137 \$5,250	F AMMUNITION, NAVY & MARINE CORPS (\$000)    ID	F AMMUNITION, NAVY & MARINE CORPS (\$000)    ID	FAMMUNITION, NAVY & MARINE CORPS (\$000)   Aircraft Esc.     ID	F AMMUNITION, NAVY & MARINE CORPS (\$000)         Aircraft Escape Rocket           ID Prior Code Years         FY 1998         FY 1999         FY 2000         FY 2001         FY 2002         FY 2003         FY 2004           A         217         123         15         33         110         212         173           S593         \$386         \$48         \$108         \$369         \$730         \$624           A         6         51         39         70         60         27           A         \$45         \$0         \$421         \$329         \$605         \$532         \$251           A         6         117         107         106         94         50           A         \$45         \$0         \$967         \$904         \$917         \$833         \$464           A         \$2,609         \$4,795         \$3,783         \$4,016         \$3,499         \$3,533         \$4,456           A         \$4,872         \$5,137         \$5,250         \$5,330         \$5,532         \$5,558         \$5,625	Code	FAMMUNITION, NAVY & MARINE CORPS (\$000)

P-1 SHOPPING LIST

ITEM NO. 7 PAGE NO. 2

CLASSIFICATION: UNCLASSIFIED

WE	EAPONS SYSTEM COST ANALYSIS					Weapon S		DATE:	. 1000			
APPRO	P-5 PRIATION/BUDGET ACTIVITY					ID Code		February	Y 1999 TURE/SUBH	HEAD		
	JREMENT OF AMMUNITION, NAV	/ & N	MARINE C	ORPS		ID Code		NONE NOE	TORE/OOD!	ILAD		
B.A. 1	- Navy Ammunition						Aircraft	Escape R	ockets/Ca	atapults (	Y1Q9)	
			TOTAL COS	T IN THOL	ISANDS OF	DOLLARS						
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000	
			Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost	Units	Unit Cost	Total Cost
	SAFETY											
Q9070	MK122 Parachute Deploy. RKT Mtr(MT29	Α		217	2,732.71	593	123	3,141.00	386	15	3,208.85	48
Q9080	MK123 Underseat Rkt Mtr (MT30)	Α		6	7,500.00	45			0	51	8,264.15	421
Q9081	MK124 Underseat Rkt Mtr (MT31)	Α		6	7,500.00	45			0	117	8,264.15	967
Q9130	Misc Devices Under \$500K					2,609			4,795			3,783
Q9820	Reliability Life					627			656			582
Q9800	Integrated Logistics Support					872			931			980
Q9830	Production Engineering Support					1,006			927			1,087
Q9850	Product Improvement Program					1,712			1,928			1,859
Q9860	Acceptance Test					655			695			742
DD 5003	TOTAL M 2446 JIUN 86 P-1 SH	0001	<b>27,273</b> IG LIST			8,164			10,318			<b>10,469</b>

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NC 7

3

<b>BUDGET PROCUREM</b>	Cost Element/ FISCAL YEAR QUANTITY UNIT COST LOCATION OF PCOST OF PCOST UNIT COST UNIT			(P-5A)		Weapon System		A. DATE		
									February	1999
					C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITI	ON, NAVY	& MARINE CORPS		Ai	rcraft Escape Rockets	Catapults	3	(Y1	(Q9)
B.A.1 - Navy Ammunit	tion									
Cost Floment/	OLIANITITY	LINIT	LOCATION	RFP ISSUE	CONTRACT METHOD	CONTRACTOR	AWARD	DATE OF FIRST	SPECS AVAILABLE	IF NO WHEN
	QUANTITY	-	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
Q9070 MK 122 Parachut	 e Deployme	 ent Rkt Mtr (I	MT29)_							
			(Mechanicsburg, PA)			(LONDON, UK)				
FY 98	217	2,732.71	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98	APR 99	YES	
FY 99	123	3,141.00	TBD	SEP 98	C/FP	UNKNOWN	APR 99	APR 00	YES	
FY 00	15	3,208.85	TBD	TBD	C/FP	UNKNOWN	APR 00	APR 01	YES	
Q9080 MK 123 Undersea	at Rkt Mtr (N	I <u>1T30)</u>								
			(Mechanicsburg, PA)			(LONDON, UK)				
FY 98		7,500.00	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98		YES	
FY 00	51	8,264.15	TBD	SEP 98	C/FP	UNKNOWN	APR 00	APR 01	YES	
Q9081 MK 124 Undersea	t Rkt Mtr (M	l <u>T31)</u>								
			(Mechanicsburg, PA)		C/FP	(LONDON, UK)				
FY 98	6	7500.00	NAVICP	DEC 97	C/FP	MARTIN-BAKER	MAR 98	APR 99	YES	
FY 00	117	8264.15	TBD	SEP 98	C/FP	UNKNOWN	APR 00	APR 01	YES	
D. DELIA DIGO										

PAGE NO. 4

D. REMARKS

<b>BUDGET PRODUCTION SC</b>	HEDULE	, P-2	1															DATE		Feb	ruar	y 199	99							
APPROPRIATION/BUDGET A	_												We	apor	i Sys	tem		P-1			MEI									
PROCUREMENT OF AMMUN	IITION, I	YVAV	& MA	RINE	COR	PS												<u> </u>			aft E	sca	pe R	ocke	ets/C	atap	ults	(Y1C	19	
							Pr	oduc	tion	Rate								t Lea									1			
		Manufacturer's											_T Pr			_T Af			Initia			eord	-					Un	it of	
Item		Name and Location MSR 1-8-5 MAX in Baker - England 1 265 265										to	Oct	1		Oct 1		M <sup>-</sup>	fg Pl	_T	М	lfg Pl	LT		Tota			Mea		Э
All	Marti	n Bak	er - Er	ngland		1	1 265 265									6			12						18			Eac	h	
							FISCAL YEAR 1999																							
																		FIG		(545	0000					— —				
ITEM / MANUFACTURER	_	0	0	D	B	1009			FISC		:AR 199 :ALEND		ND 100	20								FIS		EAR		EAR 20	000			-
TIEM / MARKOT ACTORER	Y	V	T		A		l a			1			1		Ι.			_	N. 1	_		F	1		M	1		_	_	В
	F S Q D B 1998 C.										M A R	A P R	M A Y	J U	U L	A U G	S E P	O C T	N O V	D E C	J A N	E B	M A R	A P R	A Y	J U	J L	A U G	S E P	A L
Q9070 MK 122(MT29)		N																												
Martin-Baker Aerospace	98		217	0	217							18	18	18	18	18	18	18	18	18	18	18	19							C
Unknown	99		123	0	123							Α												10	10	10	10	10	10	
Unknown	00		15	0	15																			Α				<u> </u>		15
Q9080 MK 123 (MT30)		N																										-		-
Martin-Baker Aerospace	98		6	0	6							1		1		1		1		1		1								0
Unknown	00		51	0	51																		Α						5	
Q9081 MK 124 (MT31)		N																										-		-
Martin-Baker Aerospace	98	IN	6	0	6							1		1		1		1		1		1								0
Unknown	00		117	0	117							'		'		'		'				•		Α						11
									FISC	CAL YE	EAR 200	)1										FIS	CAL Y	/EAR	2002					
ITEM / MANUFACTURER	F	S	Q	D	В	2000						(	CALEN	IDAR `	YEAR	2001							С	ALEN	DAR YE	EAR 20	002			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	E
		С	Υ	L	L	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
Q9070 MK 122(MT29)	-	N					v		IN	В	I.V.	^	'	IN	_	3	٢	<del>-</del>	٧	Ü	IN	٥	I.V.	IV.	<u>'</u>	IN	_		F	十
Unknown	99		123	60	63	10	10	10	11	11	11																			0
Unknown	00		15	0	15							1	1	1	1	1	1	1	1	1	2	2	2							0
Q9080 MK 123 (MT30)																														
Unknown	00		51	0	51							4	4	4	4	4	4	4	4	4	5	5	5					-		0
Q9081 MK 124(MT31)		N																										1		
Unknown	00		117	0	117							10	10	10	10	10	10	10	10	10	10	10	7							0

DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

PAGE 5

ITEM NO 7

### **UNCLASSIFIED**

		BU	DGET ITEN	JUSTIFICA	TION SHEE	ΞT			DATE:			
				P-40						FEBRU	ARY 99	
APPROPRIATION/BUD	GET ACTIVIT	ΓΥ					P-1 ITEM NO	MENCLATURE				
PROCUREMENT OF	AMMUNITIO	ON, NAV	Y & MARINE	CORPS/BA-	1 Navy Amm	unition	1	AIRBORNE E	XPENDABLE	C/M PROGR	AM (SH Y1Q	A)
Program Element for Co	de B Items:			Program Elem	ents							
RDT&E 0604270N												
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST	*											
(In Millions)	\$54.7		\$22.2	\$28.9	\$34.3	\$43.1	\$44.4	\$49.1	\$52.1	\$61.5	CONT	CONT

The Airborne Expendable Countermeasures (ABN EXP C/M) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and slow fixed-wing aircraft. The ABN EXP C/M Program is divided into the following threat related categories: (a) air-launched chaff, (b) Radio Frequency (RF) Active jammers, (c) infrared (IR) decoys, (d) associated impulse cartridges, and (e) support costs.

Active Jammers: The Advanced Airborne Electronic Decoy (AAED), part of the ALE-50 program, achieved a Milestone III Production Decision in FY 1997. Procurement of the AAED Towed Expendable Decoy began in FY 1997. The Fiber Optic Towed Decoy (FOTD) is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) program which is scheduled for Limited Rate Initial Production (LRIP) in FY 1999 based on an Operational Assessment (OA) beginning in FY 1998. AAED and FOTD were developed under PE 0604270N RDT&E, Project E2175.

IR Decoys: The MJU-49/B will replace the MJU-27 decoy device on all rotary wing aircraft. Procurement of the MJU-35 and MJU-36 extended length decoys in support of F/A-18 E/F testing begins in FY 98 and ends in FY 99. The SM875 is a dedicated, low cost training device. The MK28 is a decoy flare used for missile training and testing. Reprocurement to replenish inventory levels will begin in FY 1998. Procurement of the MJU-52 (BOL IR) device will begin in FY 00. All infrared decoys will be competitively procured by the Single Manager for Conventional Ammunition (SMCA) once transitioned.

Impulse Cartridges: Used to propel the self-protection devices away from the aircraft. In FY 1997 the CCU136 replaced the CCU/63 and the CCU41/B. Beginning in FY 99, a Hazards of Electromagnetic Radiation (HERO) safe impulse cartridge (CCU136A/A) will replace the CCU136. The BBU-36 is used with the MJU-47 and the BBU-35 is used with the MJU-48 and MJU-51.

Support costs: Provide for required Production Engineering (PE), Product Improvement (PIP), Quality Assurance (QA), Acceptance Test and Evaluation (AT&E), and Integrated Logistic Support (ILS) by NAVAIR engineering/cognizant field activities.

\* FY 95-97 only. Prior to FY 95, this program was funded in the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) appropriations.

BUDG	ET ITEN	JUSTIFIC			GGREGATI	ED ITEMS		DATE:				
			P-40a	3	T				EBRUARY 99			
APPROPRIATION/BUDG	SET ACTIV	/ITY				_	MENCLATURE					
PROCUREMENT OF AM	IMUNITIO	N,NAVY & N	MARINE CORP	S/BA-1 Navy	Ammunition	AIRBOR	NE EXPENDA	ABLE C/M PF	ROGRAM (S	H Y1QA)		
Procurement Items	ID Code	Prior Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
ACTIVE JAMMERS											•	
AAED (ALE-50)	Α											
Quantity		92	156	117							CONT	CONT
Funding		2,380	3,549	2,569								
FOTD (IDECM)	В											
Quantity				90	57	250	300	375	425	515	CONT	CONT
Funding	1			4,293	2,371	9,950	11,880	13,500	14,408	17,253		
FOTD (TRAINING)	В											
Quantity						26	29	93	121	12	CONT	CONT
Funding						341	379	1,105	1,354	133		
IR DECOYS												
MJU-27A/B Decoy	Α											
Quantity		90,797	69,420	52,699	65,600	77,360	55,758	87,792	69,703	67,857	CONT	CONT
Funding		8,471	5,703	3,947	4,962	5,987	4,358	6,931	5,571	5,464		
MJU-32/B	Α											
Quantity		262,176	114,660							20,580	CONT	CONT
Funding	-	6,734	2,047							424		
MJU-38/B	Α											
Quantity		131,094			26,460	52,920	44,100	20,580	20,580	20,580	CONT	CONT
Funding		4,285			608	1,239	1,054	423	423	423		
MJU-49/B (Helo)	Α											
Quantity				20,400	28,800	24,480	20,160	14,400	13,360	12,000	CONT	CONT
Funding	-			2,789	3,456	2,889	2,427	1,768	1,673	1,527		
SM875	A											
Quantity		240,280									CONT	CONT
Funding		1,596										
SM875A	A											
Quantity			200,640	200,000	200,640	193,380	171,840	200,640	200,640	200,640	CONT	CONT
Funding			1,158	1,036	1,047	1,019	914	1,087	1,108	1,130		
Page Total	1	23,466	12,457	14,634	12,444	21,425	21,012	24,814	24,537	26,354		

BUDGE	TITEM	JUSTIFIC	CATION SH	EET FOR A	GGREGATE	ED ITEMS		DATE:				
			P-40a	a				F	EBRUARY 99	)		
APPROPRIATION/BUDGE	ET ACTIV	/ITY				P-1 ITEM NO	MENCLATURE					
PROCUREMENT OF AMI	MUNITIO	N.NAVY & N	MARINE CORP	S/BA-1 Navv	Ammunition	AIRBOR	NE EXPENDA	ABLE C/M PF	ROGRAM (S	H Y1QA)		
	ID	Prior		0,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,		72011		1222 6,	0)	,	То	
Procurement Items	Code	Years *	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
MK28 MOD 3	Α											
Quantity			30	30							CONT	CONT
Funding			6	7								
MJU-35/B	Α											
Quantity			1,000	5,000							CONT	CONT
Funding			129	614								
MILL OCD	^											
MJU-36B Quantity	Α		1,000	5,000				+			CONT	CONT
Funding			70	217							CONT	CONT
Funding			70	217								
MJU-47/B ASTE Kinematic	Α											
Quantity	7.						9,240	9,240	13,440	18,480	CONT	CONT
Funding							1,596	1,628	2,415	3,387		
MJU-48 ASTE Companion	Α											
Quantity							9,240	9,240	13,440	18,480	CONT	CONT
Funding							1,182	1,206	1,789	2,510		
MJU-51 ASTE Covert	Α											
Quantity	,,						3,000	5,000	5,000	9,660	CONT	CONT
Funding							499	849	841	1,640		
IMPULSE CARTRIDGES												
CCU-63/B (IR DECOYS)	Α	202.252										
Quantity Funding		260,352 414										
Funding		414										
CCU-41/B (CHAFF)	Α											
Quantity		821,277										
Funding		1,056										
0011 400 (0515510)												
CCU-136 (GENERIC)	Α	450.070	045.004								CONT	CONT
Quantity Funding		459,979 882	245,621 194								CONT	CONT
i unumg		002	194									
Page Total		2,352	399	838			3,277	3,683	5,045	7,537		
			_	-		-						

BUDGE	ET ITEN	I JUSTIFIC	CATION SH P-40	EET FOR A	GGREGATI	ED ITEMS		DATE:	EBRUARY 99	1		
APPROPRIATION/BUDG	FT ACTIV	/ITY			1	P-1 ITEM NON	MENCLATURE		LDITOAIT 33	<u> </u>		
PROCUREMENT OF AM			MARINE CORI	PS/BA-1 Navy		_		ABLE C/M PF	ROGRAM (S	H Y1QA)		
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
2011 1221 12 12 12 12												
CCU-136A/A (GENERIC)	Α			700 000	000 000	000 000	000 000	700,000	040,000	000,000	CONT	CONT
Quantity Funding				780,000 2,636	800,000 2,760	800,000 2,760	800,000 3,016	700,000 2,653	910,000 3,476	800,000 3,072	CONT	CONT
Fullding				2,030	2,760	2,700	3,016	2,000	3,470	3,072		
BBU-36 (Kin-marinized)	А											
Quantity							9,300	13,500	18,500	23,550	CONT	CONT
Funding							24	35	49	62		
	<u> </u>											
BBU-35 (Marinized)	Α						40.000	40.500	00.500	00.400	CONT	0017
Quantity							12,300	18,500	23,500	33,180	CONT	CONT
Funding	<u> </u>						32	48	62	88		
CHAFF COUNTERMEASUF	RES											
RR-129A CHAFF CM	Α											
Quantity					489,600	489,600	345,600	334,080	334,080	334,080	CONT	CONT
Funding					4,896	4,994	3,594	3,545	3,621	3,698		
DD 4444 TDNO 011455	-											
RR-144A TRNG CHAFF	Α				F7.000	445.000	100 110	07.000	07.000	07.000	CONT	CONT
Quantity Funding					57,600 576	115,200 1,175	109,440 1,138	97,920 1,039	97,920 1,062	97,920 1,084	CONT	CONT
Funding					576	1,175	1,130	1,039	1,062	1,064		
RR-184 BOL CHAFF	А											
Quantity		642,456										
Funding		1,954										
MJU-52 BOL IR												
Quantity	Α				30,720	30,720	36,180	83,200	99,840	280,400	CONT	CONT
Funding					1,167	1,106	1,230	2,662	2,995	8,496	00111	00111
· ·					,	ĺ	ŕ	,	,	•		
	1											
	+											
	-											
	1											
Page Total	1	1,954		2,636	9,399	10,035	9,034	9,982	11,265	16,500		
				,	,	,	, -	, -	,			

BUDGI	ET ITEM	JUSTIFIC	CATION SH P-40a		GGREGATI	ED ITEMS		DATE:	EBRUARY 99	)		
APPROPRIATION/BUDG	ET ACTIV	/ITY		-		P-1 ITEM NO	MENCLATURE					
PROCUREMENT OF AM	MUNITIO	N,NAVY & N	ARINE CORP	S/BA-1 Navy	Ammunition	AIRBORN	NE EXPEND	ABLE C/M PI	ROGRAM (S	H Y1QA)		
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
SUPPORT COSTS												
PRODUCTION ENGR		6,394	2,509	2,966	3,460	3,150	3,210	2,892	2,997	2,999	CONT	CONT
HQ IOC SUPPORT		3,821	505	251	1,080	1,068	1,357	1,357	1,457	1,357	CONT	CONT
PROD IMPROVEMENT		6,761	3,012	3,531	3,827	3,032	2,378	2,244	2,522	2,430	CONT	CONT
ACCEP TEST & EVAL		9,083	3,038	3,714	3,704	4,048	3,781	3,795	3,890	3,974	CONT	CONT
ILS		840	280	345	345	345	345	350	365	376	CONT	CONT
Page Total		26,899	9,344	10,807	12,416	11,643	11,071	10,638	11,231	11,136		
Grand Total		54,671	22,200	28,915	34,259	43,103	44,394	49,117	52,078	61,527		

# **UNCLASSIFIED**

	WEAPONS SYSTEM COST AND P-5	ALYSIS	3			Weapon Sys	stem							DATE:	JARY 99
_	PRIATION/BUDGET ACTIVITY JREMENT OF AMMUNITION, NAVY nition	& MARI	NE CORPS	S/BA-1 Na		ID Code	P-1 ITEM N		TURE/SUBI AIRBORN		DABLE C	/M PROGR	AM (SH Y	′1QA)	
			TOTAL COST	T IN THOUS	SANDS OF I	OOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
QA110	ACTIVE JAMMERS AAED (ALE-50)	А	2,380	156	22.74700	3,549	117	21.96100	2,569						
TBD	FOTD / IDECM	В					90	47.70000	4,293	57	41.59649	2,371			
QA130	IR DECOYS MJU-27A/B DECOY DEVICE	69,420	0.08215	5,703	52,699	0.07490	3,947	65,600	0.07564	4,962					
QA140	MJU-32/B ROTARY-WING DECOY	Α	6,734	114,660	0.01785	2,047									
QA150	MJU-38/B FIXED WING DECOY	Α	4,285							26,460	0.02296	608			
TBD	MJU-49/B DECOY DEVICE	Α					20,400	0.13672	2,789	28,800	0.12000	3,456			
QA260	SM875 (TRAINING FLARE)	Α	1,596												
QA260	SM875A (TRAINING FLARE)	Α		200,640	0.00577	1,158	200,000	0.00518	1,036	200,640	0.00522	1,047			
QA160	MK28 MOD 3 (TARGET FLARE)	А		30	0.20000	6	30	0.21660	7						
QA170	MJU-35/B DECOY DEVICE	Α		1,000	0.12900	129	5,000	0.12280	614						
QA180	MJU-36B FIXED-WING DECOY	А		1,000	0.07000	70	5,000	0.04337	217						
QA070	IMPULSE CARTRIDGES CCU-63/B (IR DECOYS)	A	414												
QA080	CCU-41/B (CHAFF)CCU-41/B (CHAFF)	Α	1,056												
	PAGE TOTAL		24,936			12,662			15,472			12,444			

# **UNCLASSIFIED**

	WEAPONS SYSTEM COST ANA P-5	ALYSIS	3			Weapon Sy	stem							DATE:	JARY 99
	PRIATION/BUDGET ACTIVITY UREMENT OF AMMUNITION, NAVY ( nition	& MAR	INE CORPS	S/BA-1 Na		ID Code	P-1 ITEM N		TURE/SUBI AIRBORN		DABLE C	M PROGR	AM (SH Y	′1QA)	
			TOTAL COS	T IN THOUS	SANDS OF I	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QA090	IMPULSE CARTRIDGES (CONT'D) CCU-136 (GENERIC)	A	882	245,621	0.00079	194									
TBD	CCU-136A/A (GENERIC)	А					780,000	0.00338	2,636	800,000	0.00345	2,760			
TBD	CHAFF COUNTERMEASURES RR-129A CHAFF CM	A								489,600	0.01000	4,896			
TBD	RR-144A TRNG CHAFF	Α								57,600	0.01000	576			
QA240	RR-184 BOL CHAFF	Α	1,954												
TBD	MJU-52 BOL IR	Α								30,720	0.03799	1,167			
QA830	SUPPORT COSTS PRODUCTION ENGINEERING		6,394			2,509			2,966			3,460			
QA840	HQ IOC SUPPORT		3,821			505			251			1,080			
QA850	PRODUCT IMPROVEMENT		6,761			3,012			3,531			3,827			
QA860	ACCEPTANCE TEST & EVALUATION		9,083			3,038			3,714			3,704			
QA800	ILS		840			280			345			345			
	P5 GRAND TOTAL	1	54,671			22,200			28,915			34,259			

# **UNCLASSIFIED**

BUDGET PR	OCUREM	ENT HISTO	ORY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		DATE	FEBRUARY	99
B. APPROPRIATI PROCUREM BA-1 Navy A	ENT OF A	MMUNITIO	ON, NAVY 8	& MARINE CORPS		C. P-1 ITEM NON	MENCLATURE EXPENDABLE C/M PROGI	RAM	ı	SUBHEAD	QA
Cost Eler FISCAL Y	ment/	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
ACTIVE JAMME	RS		(000)								
AAED (ALE-50) (N012)	FY 97	92	25.87200	Wright Pat AFB, OH	Dec-96	SS/FP	Raytheon, Goleta, CA	Jan-97	Mar-98	YES	
(N012)	FY 98	156	22.74700	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-98	Mar-99	YES	
(N012)	FY 99	117	21.96100	Wright Pat AFB, OH	N/A	SS/Option	Raytheon, Goleta, CA	Jan-99	Mar-00	YES	
FOTD (IDECM) (TBD)	FY 99	90	47.70000	NAVAIR PAX River	Jan-99	SS/FP	Sanders,Nashua, NH	Jun-99	Sep-00	YES	
(TBD)	FY 00	57	41.59649	NAVAIR PAX River	Jan-00	SS/FP	Sanders,Nashua, NH	Jun-00	Sep-01	YES	
INFRARED DEC MJU-27A/B DEC	OY										
(EWAA)	FY 98	69,420	0.08215	SMCA Rock Island, IL	Dec-97	SS/FP	Alloy, Wilmington, DE	Jun-98	Sep-98	YES	
(EWAA)	FY 99	52,699	0.07490	SMCA Rock Island, IL	Dec-98	SS/FP	Alloy, Wilmington, DE	Apr-99	Sep-99	YES	
(EWAA)	FY 00	65,600	0.07564	SMCA Rock Island, IL	Dec-99	SS/FP	Alloy, Wilmington, DE	Apr-00	Sep-00	YES	
MJU-32/B ROTA	RY WING AI	RCRAFT DEC	OY								
(LA01)	FY 98	114,660	0.01785	SMCA Rock Island, IL	Dec-97	C/FP	Kilgore, Toon, TN	Jun-98	Sep-98	YES	
MJU-38/B FIXED	WING DEC	I OY									
(LA02)	FY 96	131,094	0.03300	SMCA Rock Island, IL	Dec-96	C/FP	Kilgore, Toon, TN	Mar-97	Feb-99	YES	
(LA02)	FY 00	26,460	0.02296	SMCA Rock Island, IL	Dec-99	C/FP	TBD	Mar-00	Jul-00	YES	
MJU-49/B DECC	Y DEVICE										
(DWCI)	FY 99	20,400	0.13672	NSWC Crane, IN	Nov-98	SS/FP	Alloy, Wilmington, DE	Feb-99	Jun-99	YES	
(DWCI)	FY 00	28,800	0.12000	SMCA Rock Island, IL	Nov-99	SS/FP	Alloy, Wilmington, DE	Apr-00	Aug-00	YES	
D. REMARKS		•			•	,	-		II.		

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 8

CLASSIFICATION: UNCLASSIFIED

# **UNCLASSIFIED**

AWARD DATE  Sep-98	DATE OF FIRST DELIVERY	SPECS AVAILABLE	DATE REVISIONS
AWARD DATE	FIRST	SPECS AVAILABLE	DATE REVISIONS
AWARD DATE	FIRST	SPECS AVAILABLE	DATE REVISIONS
Sep-98	FIRST	AVAILABLE	REVISIONS
Sep-98	FIRST	AVAILABLE	REVISIONS
			AVAILABLE
NA 00	3 Apr-99	YES	
Mar-99	Feb-00	YES	
May-00	Oct-00	YES	
Jan-98	Jun-98	YES	
Jan-99	Jun-99	YES	
Feb-98	3 Jun-98	YES	
Feb-99	Jun-99	YES	
Feb-98	3 Jun-98	YES	
Feb-99	Jun-99	YES	
Aug-97	7 Dec-98	YES	
Apr-98	Nov-99	YES	
May-99	9 Feb-00	YES	
May-00	Eob-01	YES	
	Feb-98 Feb-98 N Aug-97 N Apr-98	Feb-99 Jun-99 Feb-98 Jun-98 Feb-99 Jun-99 N Aug-97 Dec-98 N Apr-98 Nov-99	Feb-99       Jun-99       YES         Feb-98       Jun-98       YES         Feb-99       Jun-99       YES         N       Aug-97       Dec-98       YES         N       Apr-98       Nov-99       YES         May-99       Feb-00       YES

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 9 CLASSIFICATION: UNCLASSIFIED

# **UNCLASSIFIED**

CUREM	IENT HISTO	RY AND I	PLANNING EXHIBIT (	(P-5A)		Weapon System		A. DATE	FEBRUARY	99
NT OF A	MMUNITIO	N, NAVY	& MARINE CORPS				GRAM		SUBHEAD	QA
ent/ AR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
RMEASUR	ES									
CM FY 00	489,600	0.01000	NICP Mechanicsburg		C/FP	TBD	Apr-00	Oct-00	NO	Aug-99
HAFF TY 00	57,600	0.01000	NICP Mechanicsburg		C/FP	TBD	Apr-00	Oct-00	NO	Aug-99
FY 00	30.720	0 03799	NSWC Crane IN		SS/FP	Alloy Wilmington DE	Apr-00	Oct-00	NO	Jan-99
1 1 00	30,720	0.00733	NOWO Grane, iiv		30/11	Alloy, Willington, DE	Αρι-00	001-00	NO	Jan-99
	N/BUDGET NT OF A nmunition ant/ AR RMEASUR CM TY 00 HAFF	N/BUDGET ACTIVITY NT OF AMMUNITIO Influence In	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY Immunition  ONLY ONLY ONLY ONLY ONLY ONLY ONLY ONL	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Inmunition  Int/ QUANTITY UNIT COST OF PCO  RMEASURES CM Y 00 489,600 0.01000 NICP Mechanicsburg  HAFF Y 00 57,600 0.01000 NICP Mechanicsburg	NT OF AMMUNITION, NAVY & MARINE CORPS Immunition  Int/ QUANTITY UNIT COST OF PCO REPUBLIES  INT COST (000)  RMEASURES  CM PY 00 489,600 0.01000 NICP Mechanicsburg  HAFF  EY 00 57,600 0.01000 NICP Mechanicsburg	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Immunition  Int/ QUANTITY UNIT COST OF PCO DATE  RMEASURES CM PY 00 489,600 0.01000 NICP Mechanicsburg  C. P-1 ITEM NOM AIRBORNE I CONTRACT METHOD & TYPE  CONTRACT METHOD & TYPE  C/FP  C/FP  C/FP	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Immunition  C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROC  CONTRACT METHOD & TYPE AND LOCATION OF PCO  RMEASURES CM PY 00 489,600 0.01000 NICP Mechanicsburg  C/FP TBD  C/FP TBD	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Immunition  ORDER OF PCO  ORDE	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Immunition  C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM  CONTRACT METHOD AND CONTRACTOR AND LOCATION DATE  CONTRACT METHOD AND LOCATION DATE  C/FP TBD Apr-00 Oct-00  C/FP TBD Apr-00 Oct-00	N/BUDGET ACTIVITY NT OF AMMUNITION, NAVY & MARINE CORPS Indunition  C. P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM  Y1  CONTRACT METHOD AND LOCATION OF PCO  REP ISSUE DATE  CONTRACT METHOD AND LOCATION AND LOCATION AND LOCATION AND LOCATION AND LOCATION NOW  RMEASURES CM PY 00 489,600 0.01000 NICP Mechanicsburg  C/FP  TBD  Apr-00 Oct-00 NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

FY 2000/01 BUDGET PRODU			DULE,	P-21														DATE				FEB	RUAF	Y 99						
APPROPRIATION/BUDGET A	CTIVIT	Y											W	eapo	n Syst	tem		P-1 ľ	TEM I											
PROCUREMENT OF AMMUNITION	N, NAVY	' & MARI	INE CO	RPS/B	A-1 Nav	y Am														AIR	BORN	IE EXF	PENDA	BLE (	C/M P	ROGR	AM (SI	H Y1Q	A	
							Pr	oduct	ion R	ate					F	rocur	emen	t Lead	dtimes	3										
		Man	ufactu	rer's								Α	LT Pr	ior	Α	LT Aft	er		Initial		F	Reorde	er					L	Init of	
Item		Name	and L	ocation	า	M	SR	1-8	8-5	M	ΑX	t	o Oct	1		Oct 1		N	lfg PL	Τ.	N	lfg PL	T.		Total			Me	easur	е
AAED	Rayth	neon, Go	oleta, (	CA		TE	3D	TE	3D	TE	3D					4			14						18				EΑ	
FOTD	Sand	ers, Nas	shua, I	NΗ		,	5	1	5	3	5					9			15						24				EA	
MJU-27A/B	Alloy	Wilmin	gton, [	DE		1,0	)20	8,6	340	17,	280					7			5						12				K	
MJU-32/B	Kilao	re, Toor	n. TN			8.8	320	17.	640	44.	100					9			3						12				K	
MJU-38/B		re, Toor				8,8	320	17.	640	44.	100					6			4						10				K	
MJU-49/B		, Wilmin		DE			)20		340		280					7			4						11				K	
										FI	SCAL Y	EAR 19	998		•							FI	SCAL Y	EAR 19	99					
ITEM / MANUFACTURER	F	s	Q	D	В		1997				00/12 1			ENDAF	YEAR	1998								CALENI		AR 199	9			
	Y	V	т	E	Α	0	N	D	J	F	М	А	М	.l		А	S	0	N	D	J	F	М	Δ	М			А	s	В
		С	Υ	L	L	c	O	E	A	E	A	P	A	Ü	Ü	Ü	E	C	O	E	A	E	A	P	A	Ü	Ü	Û	E	A L
						Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р	_
AAED ALE-50 (RAYTHEON)	97		92.0	0.0	92.0						8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	4.0								0.0
AAED ALE-50 (RAYTHEON)	98		156.0	0.0	156.0				Α														13.0	13.0	13.0	13.0	13.0	13.0	13.0	65.0
AAED ALE-50 (RAYTHEON)	99		117.0	0.0	117.0																Α									117.0
FOTD IDECM (SANDERS)	99		90.0	0.0	90.0																					Α				90.0
MJU-27A/B (ALLOY)	98		69.4	0.0	69.4								ļ	Α			5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.7		0.0
MJU-27A/B (ALLOY)	99 98		52.7 114.7	0.0	52.7 114.7						ļ		ļ				00.0	00.7	00.7	00.7			ļ	A					4.3	48.4
MJU-32/B (KILGORE) MJU-38/B (KILGORE)	98		131.1	0.0	131.1								-	Α			28.6	28.7	28.7	28.7		16.0	16.7	22.0	32.8	32.8				0.0
MJU-49/B (NSWC CRANE)	99		20.4	0.0	20.4									-								Α	10.7	32.0	32.0	1.7	1.7	1.7	1.7	13.6
NIOC-43/D (NOWO OKANE)	- 55		20.4	0.0	20.4									-												1.7	1.7	1.7	1.7	13.0
										FI	SCAL Y	EAR 20	000				•					FI	SCAL Y	EAR 20	01				1	
ITEM / MANUFACTURER	F	s	Q	D	В	19	199						CAL	ENDAF	YEAR	2000								CALENI	DAR YE	AR 200	1			
	Y	V	т	E	Α	0	N	D	J	F	М	Α	М		T	А	S	0	N	D	J	F	М	Α	М		<u> </u>	А	s	В
		С	Υ	L	L	c	0	E	A	E	A	P	A	Ü	Ü	Ü	E	C	0	E	A	E	A	P	A	Ü	Ü	Û	E	A L
						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	
AAED ALE-50 (RAYTHEON)	98		156.0	91.0	65.0	13.0	13.0	13.0	13.0	13.0																				0.0
AAED ALE-50 (RAYTHEON)	99		117.0	0.0	117.0						10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	7.0								0.0
FOTD IDECM (SANDERS)	99		90.0	0.0	90.0									ļ			7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0		0.0
FOTD IDECM (SANDERS)	00		57.0	0.0	57.0				l			I	<b>.</b>	A		4.4	-												5.0	52.0
MJU-27A/B (ALLOY) MJU-27A/B (ALLOY)	99		52.7 65.6	4.3 0.0	48.4 65.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4 A	4.4	4.4	4.4	4.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4		0.0
MJU-27A/B (ALLOY) MJU-38/B(TBD)	00		26.5	0.0	26.5						A	A	-	-	8.8	8.8	8.9	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4		0.0
MJU-49/B (NSWC CRANE)	99		20.5	6.8	13.6	17	1.7	17	17	1.7	1.7	1.7	1.7	-	0.0	0.0	0.9									-			-	0.0
MJU-49/B (ALLOY)	00		28.8	0.0	28.8		··· <i>'</i>		1/			Α	1,	<del> </del>		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		<b></b>	0.0
							<b></b>			<u> </u>	-	l	1	<del>                                     </del>					<u> </u>										<b></b>	1

APPROCEATION BUDGET ACTIVITY PROCUMENT OF AMMUNITION, NAY & MARINE CORPS/BAL Navy Ammunition    Name and Location   MSR   1.8-5   MAX   1.9-5   MAX   1.0 Cct 1   Mig PLT   Mig PLT   Total   Measure Shaft	FY 2000/01 BUDGET PROD	UCTION	SCHE	DULE,	P-21														DATE				FEB	RUA	RY 99						
Manufacturer's   Name and Location   MSR   1.8-5   MAX   NSW   1.8-5   MAX   1.8-5				RINE CO	DRPS/B	A-1 Na	vy Am	muniti	on					V	/eapo	n Sys	stem		P-1 I	TEM					ABLE (	C/M PF	ROGRA	AM (SI	HY1Q	<b>A</b> ]	
Name and Location								Pr	oduct	tion R	ate						Procur	emen	t Lead	dtimes	6										
SMB/T5   Martin, Perry, FL   8,640   8,640   35,560   8   8   5			Ma	nufactu	ırer's								Α	LT P	rior	-	ALT Af	er		Initial			Reord	ler					Ĺ	Jnit of	
MK-28   NSWC Crane, IN	Item		Name	and L	ocatio	n	M	SR	1-8	8-5	М	AX	t	о Ос	t 1		Oct 1		Ν	/lfg PL	Т.	N	Mfg Pl	LT		Total			M	easur	Э
MK-28   NSWC Crane, IN	SM875	Marti	n, Perr	y, FL			8,6	640	8,6	640	35.	,560					8			5						13				K	
MJU-36/B NSWC Crane, IN	MK-28							2	1	0	1	00					4			5						9				K	
MJU-36B   NSWC Crane, IN   100   1,000   5,000   5   5   4					DF												5														
TIEM / MANUFACTURER   F																															
TEM / MANUFACTURER	WICC GOD	11011	O Olai	10, 114				00	1,0	,,,,	0,	000																		11	
TEM / MANUFACTURER																															
Y											F	ISCAL \	YEAR 19									1	F	ISCAL Y							
C	ITEM / MANUFACTURER		_					1997			1	Т		CA	LENDA	YEAR	1998		1	T	I		T		CALEN	DAR YE	AR 199	9	Т		В
SM875A (MARTIN) 98		Y					С	0	Е	A	E	Α	Р	Α	-		U	E	С	0	E		E	Α		Α		_	U	E	A L
SM875A (MARTIN)  99	CMOZEA (MADTINI)	00		200.6	0.0	200.6		<u> </u>		- "	-	+ '`	- "	<u> </u>	+ ''	H	_			<u> </u>		- ''	-	+ ''		1		0.6		1	114.4
MK-28 (NSWC CRANE) * 99 30.0 0.0 30.0														-										Ι	0.0	0.0	0.0	0.0	25.5	25.5	200.0
MK-28 (NSWC CRANE) * 99										Α		-	-	l	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0		2.0	2.0			<b> </b>	<del>                                     </del>	0.0
MUU-36B (NSWC CRANE) 98 1.0 0.0 5.0 0.0 5.0 0.0 5.0 0.0 5.0 0.0 1.0 0.0 0																							1	1		1	2.0	2.0	2.0	2.0	22.0
MJU-36B (NSWC CRANE) 98   1.0   0.0   1.0	MJU-35/B (ALLOY)	98		1.0	0.0	1.0					Α				1.0																0.0
MJU-36B (NSWC CRANE)  99  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  5.0  0.0  1.0  1				5.0																			Α				1.0	1.0	1.0	1.0	1.0
TEM/MANUFACTURER   F   S   Q   D   B   T   S   D   D   B   S   T   S   D   T   T   T   T   T   T   T   T   T											Α				0.2	0.8															0.0
ITEM/MANUFACTURER	MJU-36B (NSWC CRANE)	99		5.0	0.0	5.0						-		-									A	-			1.0	1.0	1.0	1.0	1.0
TEM/MANUFACTURER																															
Y	ITEM / MANUFACTURER	-	c	0	D	R	10	200			F	ISCAL \	YEAR 20		I ENDA	O VEAD	2000		<u> </u>			I	F	ISCAL Y			AP 200				
C Y L L C O B A F A B A P A U U U U B C O B A F A B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N L G P T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G P T T V C N B R R R Y N N L G T T T T V C N B R R R Y N N L G T T T T V C N B R R R Y N N L G T T T T T T T T T T T T T T T T T T	I Em, marter / to renter		_					T				Τ	Τ.	1	LLIVDAI	T .				Τ		<del></del>	Τ-	Τ.,	T .	1	1 .	i .	Τ.	T	В
SM875A (MARTIN) 99 200.0 0.0 200.6 0			С				С	0	E	Α	E	Α	Р	Α	-	U	U	E	С	0	Е	Α	E	Α	Р	Α		U L	U	E	A L
SM875A (TBD) 00 200.6 0.0 200.6 0.0 200.6 0 0 0.0 200.6 0 0 0.0 200.6 0 0 0 0.0 200.6 0 0 0 0.0 200.6 0 0 0 0.0 200.6 0 0 0 0.0 200.6 0 0 0 0 0.0 200.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SM875A (MARTIN)	98		200.6	86.2	114.4	25.9	25.9	25.9	25.9	10.8		Î																		0.0
MK-28 (NSWC CRANE) * 99 30.0 8.0 22.0 2.0 2.0 2.0 4.0 4.0 4.0 2.0 2.0 2.0 3.0 3.0 MJU-35/B (ALLOY) 99 5.0 4.0 1.0 1.0 5.0 5.0 4.0 1.0 5.0 5.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5		99				200.0					15.1	25.9	25.9	25.9	25.9	25.9	25.9	25.9													0.0
MJU-35/B (ALLOY) 99 5.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1																			17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	10.3	0.0
MJU-36B (NSWC CRANE) 99 5.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1								2.0	2.0	4.0	4.0	4.0	2.0	2.0									-	-						<u> </u>	0.0
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	MJU-36B (NSWC CRANE)	99		5.0	4.0	1.0	1.0																								0.0
				•	***************************************		***************************************					ļ				-			**************									***************************************			·
Remarks:	Damarka																														

MK-28/NSWC CRANE FY 1998 and FY 1999 quantities are each.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21  APPROPRIATION/BUDGET ACTIVITY  PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA-1 Navy Ammunition  Production Rate																				P-1 ITEM NOMENCLATURE AIRBORNE EXPENDABLE C/M PROGRAM (SH Y1QA											
														Manufacturer's										ALT Prior ALT After				Initial Reorder			
Item		М	SR	1-8-5 MAX				to Oct 1 Oct 1					N	/lfg PL		Mfg PLT			Total			Measure			<b>,</b>						
CCU-136	Name and Location Tech Ord, St. Bonafacius, MN						.000					7					19		iviig i Li			26			K						
CCU-136A/A	TBD					- ,	.000	- ,	000	,	000				8			9						17			K				
RR-129A		Alliant, Clearwater, FL Alliant, Clearwater, FL					BD	TBD TBD		TBD TBD					7			6 6						13 13			K K				
RR-144A							BD																								
BOL IR MJU-52		Alloy, Wilmington, DE					BD	TBD		TBD		<u> </u>			7			6			<del>                                     </del>			13			K				
BOL IK WIJU-32	Alloy	Alloy, Willfillington, DE				- 11	טט	עפו עפו כ				/				0						13			<u> </u>						
ITEM / MANUFACTURER		s	Q	D	В	FISCAL YE							EAR 1998					<del>                                     </del>					FISCAL YEAR 1999								
	F					1997				CALENDAR YEAR 1998						-						CALENDAR YEAR 1999			<del></del>			1			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	В	
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C	0 V	E C	A N	E B	A R	P R	A Y	U	U	U G	E P	A L	
CCU-136 (TECH ORD)	97		460.0	0.0	460.0			-										1		40.0	40.0		40.0	40.0	40.0	40.0	40.0	40.0	40.0	60.0	
CCU-136 (TECH ORD)	98		245.6	0.0	245.6							Α					<b> </b>					1	1.0.0							245.	
CCU-136A/A (TBD)	99		780.0	0.0	780.0		<b> </b>			<u> </u>	<b> </b>						1			-					Α	<b> </b>				780.	
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ITEM / MANUFACTURER				_	_					F	ISCAL Y	CALENDAR YEAR 2000										F	ISCAL Y	EAR 20							
	F	S V	Q T	D E	В	19	999	1		1	7	т	CAI	ENDAF	YEAR	2000		T	T	T			7	CALEN	DAR YE	AR 200	1		1		
	Y	C	Y	L	A L	0	N	D	J	F	М	Α	М	J	J	A	S	0	N	D	J	F	М	Α	М	J	J	A	S	B A	
			•	_	_	C T	O V	E C	A N	E B	A R	P R	A	U N	U	U G	E P	C T	0 V	E	A N	E B	A R	P R	A	U	U	U	E P	L	
CCU-136 (TECH ORD)	97		460.0	400.0	60.0	40.0	20.0	_		H	· ·	<del>                                     </del>	<u> </u>	1	H	1		<del>                                     </del>	<u> </u>	-			l		<u> </u>		Ē	<u> </u>		0.0	
CCU-136 (TECH ORD)	98		245.6	0.0	245.6	1	·	80.0	80.0	5.6	l	<b>-</b>		-		-	t	-		<del> </del>		-		l						0.0	
CCU-136A/A (TBD)	99		780.0	0.0	780.0		T				40.0	40.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	40.0	<u> </u>								0.0	
CCU-136A/A (TBD)	00		800.0	0.0	800.0								Α									40.0	40.0	40.0	60.0	80.0	80.0	80.0	80.0	300.	
RR-129A (ALLIANT)	00		489.6	0.0	489.6							Α						40.0	40.0	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	0.0	
RR-144A (ALLIANT)	00		57.6	0.0	57.6							Α						4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	
BOL IR MJU-52 (ALLOY)	00		30.7	0.0	30.7							Α						2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7	2.0	2.0	0.0	
		***************************************	***************************************				-		***********		-		-	<b></b>			-		<b> </b>				<b>-</b>		<b></b>	-	***************************************			***********	
							<u> </u>				<b>-</b>		<b></b>				<del>                                     </del>		<u> </u>	ļ			<u> </u>						-		
Remarks:	1						-	1		-	1		1	-		-	1		1	1		1	-		1	1		-	1		

Y 2000/01 BUDGET PRODUC	HON	SCH	EDULE	E, P-21														DATE					RUAF	RY 99						
PPROPRIATION/BUDGET AC ROCUREMENT OF AMMUNITION			RINE C	ORPS/	BA-1 N	avy Ar	nmuni	tion					W	eapor	n Syst	em		P-1 I						BLE C	/M PR	OGRA	M (SH	Y1QA	ı.	
							Pr	oduct	ion R	ate					F	rocur	emen	t Leac	times	;										
		Ma	anufact	urer's								Α	LT Pr	ior	Α	LT Aft	ter		Initial		F	Reord	er					Un	it of	
Item		Nam	e and l	Locatio	n	M	SR	1-8	8-5	M	AX	t	o Oct	1		Oct 1		M	lfg PL	T.	M	lfg PL	<u>.</u> T		Tota			Mea	asure	<u>:</u>
																														_
			1		1																									_
ITEM / MANUFACTURER	_		Q	D	В		2004			FI	SCAL Y	EAR 20		ENDAD	VEAD	2000		l				F	ISCAL Y			A D. 000				-
TIEW / WANUFACTURER	F Y	S V	T	E	A	0	2001 N	D	J	F	М	Α	M	ENDAR	YEAR	2002 A	S	0	N	D	J	F	М	A	M M	AR 200	3 J	A	S	1
		С	Υ	L	L	O C T	0 V	E	A N	E	A R	P R	A	U	U	Ü	E	C	0 V	E C	A N	E B	A R	P R	A	U	U	Ü	E P	
OTD IDECM (SANDERS)	00		57.0	5.0	52.0	5.0		5.0	5.0		1	5.0	5.0		5.0															t
CU-136A/A (TBD)	00		800.0	500.0	300.0	80.0	80.0	80.0	60.0				-				-													-
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	В		2003			T		ı	T	ENDAR	YEAR	2004							Τ	CALEN	Τ	AR 200	5 I	T	ı	-
	Y	C	Y	L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U J	J U L	A U G	S E P	
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	В	UDGET	ITEM JUST	TIFICATION	SHEET			DATE:				
				P-4	<b>10</b>					F	ebruary 199	9
APPROPRIATION/BUDGE	T ACTIVI	ΓY				P-1 ITEM NO	MENCLATURE					
PROCUREMENT OF A	AMMUN	ITION, I	NAVY & MA	RINE CORI	PS			Marine	Location N	/larkers		
Program Element for Code	B Items:					Other Related	Program Elem	ents				
	Prior	ID									То	
	Years*	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$2.6	Α	\$0.6	\$1.3								

Beginning FY 2000 Marine Location Markers is under the heading of Ammunition less than \$5 million

#### Marine Location Markers

These items include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist locating sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations which require a "marked spot" on the water surface, including man-overboard drills. The MK 58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes which is visible for at least three miles under normal operating conditions. The MK 25 is designed to launch from aircraft (primary) or surface craft to provide day/night reference-points in marking the course of enemy contacts. It is suitable for any type sea surface reference point marking that calls for both smoke and flame for approximately fifteen minutes.

The current budget profile provides funding for support efforts (PES, ILS), procurement of non-standard items, renovation components, and product improvement programs (PIPs) for future procurements. Funds for PIP in FY 96-99 are required to: complete testing and documentation of the MK 58 Mod 2, which makes the unit standard sonobouy size and incorporates a scuttling device that will work for consumed or dud units, and design and incorporate an arming switch as an additional safety feature in each marker configuration. Some minor hardware/material changes will be made at the same time for cost and ease of manufacture considerations.

The significant increase in funding from FY 1998 to FY 1999 and out is associated with the procurement of new MK 58 units.

FY98 FY99
NAVY RESERVE (FY99 is below 26K) \$0.0 \$0.0

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 9

PAGE NO. 1

**UNCLASSIFIED** 

DD Form 2454. JUN 86

CLASSIFICATION: UNCLASSIFIED

BUDG	ET ITE	M JUSTIF	ICATION SI P-4	HEET FOR A	AGGREGAT	TED ITEMS		DATE:	-	ebruary 19	00	
APPROPRIATION/BUD	GET ACT	TVITY	1 -4	<u>va</u>		P-1 ITEM NO	MENCLATURE		<u>'</u>	ebiualy 13	<del>33</del>	
PROCUREMENT OF A			MARINE CO	RPS (\$000's)					Location N	/larkers		
	ID	Prior		<u>, , ,                                </u>							То	
Procurement Items	Code	Years**	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
M arine Location Mark	ers											
MIC CO MI M												
MK 58 MLM	Α			1960		+						
Quantity	-	-	-									
Funding		-	-	\$349.0								
Other Costs		\$2,598.0	\$638.0	\$990.0								
Total D 4 Funding		\$2.500.0	¢620.0	\$1,339.0								
Total P-1 Funding		\$2,598.0	\$638.0	\$1,339.0								
	1					+						
**Reflects FY95-FY97 only	these pro	ograms were f	unded in FY94 a	and prior from the	e Weapons Pro	curement. Navv (	WPN) and Othe	r Procurement N	avv (OPN).			
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				D 4 01 10 DD			01 40015104	<u> </u>				

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 9 PAGE NO. 2

## **UNCLASSIFIED**

	BUD	GET ITEM J	USTIFICATIO	N SHEET			DATE:				
			P-40						February 1999	1	
JDGET ACTIV	TTY				P-1 ITEM NOME	NCLATURE					
OF AMMU	NITION,	NAVY & MA	RINE CORPS			,	JATO (JET AS	SSISTED TAK	E OFF) (Y1Q	7)	
Code B Items:					Other Related P	rogram Elements	3				
Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
\$12.3	А	\$4.4	\$3.9	\$5.0	\$5.0	\$4.9	\$5.0	\$5.1	\$5.2	Continuing	Continuning
	Code B Items:  Prior Years	DDGET ACTIVITY OF AMMUNITION, Code B Items:  Prior ID Years Code	DDGET ACTIVITY  OF AMMUNITION, NAVY & MA  Code B Items:  Prior ID Years Code FY 1998	P-40  UDGET ACTIVITY  OF AMMUNITION, NAVY & MARINE CORPS  Code B Items:  Prior ID Years Code FY 1998 FY 1999	DIDGET ACTIVITY  OF AMMUNITION, NAVY & MARINE CORPS  Code B Items:  Prior ID Years Code FY 1998 FY 1999 FY 2000	P-40   DDGET ACTIVITY   P-1 ITEM NOME   P-2   OF AMMUNITION, NAVY & MARINE CORPS   Other Related P   Prior	P-40  UDGET ACTIVITY  OF AMMUNITION, NAVY & MARINE CORPS  Code B Items:  Other Related Program Elements  Prior ID Years Code FY 1998 FY 1999 FY 2000 FY 2001 FY 2002	P-40  JDGET ACTIVITY  OF AMMUNITION, NAVY & MARINE CORPS  Code B Items:  Prior ID Years Code FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003	P-40  UDGET ACTIVITY  OF AMMUNITION, NAVY & MARINE CORPS  Code B Items:  Prior ID Years Code FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004	P-40   P-1   ITEM NOMENCLATURE   P-1   ITEM NOMENCLATURE	P-40   P-1   ITEM NOMENCLATURE   P-1   ITEM NOMENCLATURE

Description: The JATOs currently in production are the MK 117 and MK 125. JATOs are relatively small solid propellant rocket motors used to assist aircraft during takeoff, and launch target drones and Remotely Piloted Vehicles (RPVs).

Intended use: Two MK 117s are used to launch one BQM 74C target. One MK 125 is used to launch the Pioneer RPV.

Product Improvement: Funds requested for the Product Improvement Program (PIP) are in support of MK 117 design verification/qualification testing.

Prior Years Reflects FY95-FY97 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.

	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
NAVY RESERVE	\$0.1	\$0.0*	\$0.1	\$0.1	<b>\$0.1</b>	\$0.1	<b>\$0.1</b>	\$0.1

\*Less than \$50K

DD Form 2454, JUN 86

P-1 SHOPPING LIST

ITEM NO. 10

PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

BUDO	ET ITE	M JUSTIFI	CATION SH	HEET FOR A	GGREGAT	ED ITEMS		DATE:				
			P-4	0a					Fel	oruary 1999		
APPROPRIATION/BUD	GET ACT	IVITY				P-1 ITEM NO	MENCLATURE					
PROCUREMENT OF A	ммихіті	ON, NAVY 8	MARINE CO	RPS (\$000s)			JATO	(JET ASSIS	STED TAKE	<b>OFF) (Y1Q7</b>	7)	
	ID	Prior									То	
Procurement Items	Code	Years*	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
MK 117 RKT MTR	Α										Continuing	
Quantity		2995	930	340	189	673	952	779	807	865		
Funding		\$9,764.0	\$3,102.0	\$1,152.0	\$651.0	\$2,362.0	\$3,402.0	\$2,836.0	\$3,004.0	\$3,289.0		
MK 125 RATO	Α											
Quantity		148	72	366	750	300	80	210	214	166		
Funding		\$485.0	\$281.0	\$1,444.0	\$3,007.0	\$1,224.0	\$332.0	\$888.0	\$924.0	\$733.0		
		A0.00= 0		<b>0.1.0</b>	04.044.0	44.000.0	<b>0.1.100.0</b>	44.050.0	24.452.0	24.450.0		
Other Costs	1	\$2,027.0	\$1,029.0	\$1,271.0	\$1,311.0	\$1,382.0	\$1,128.0	\$1,250.0	\$1,150.0	\$1,159.0		
Total P-1 FUnding		\$12,276.0	\$4,412.0	\$3,867.0	\$4,969.0	\$4,968.0	\$4,862.0	\$4,974.0	\$5,078.0	\$5,181.0		
	<del> </del>											
	1	*Deflects EV	DE EVOZ only, th		ore funded in EV	 '94 and prior fror	n the Meanana	Dragurament Na	un (MDN) and C	Athar Dragurama	nt Nove (ODA	I) accounta
		Reliects F13	55-F 197 Offiy, til	lese programs w		94 and phor nor	II the Weapons i			The Procureme	III Navy (OFI	N) accounts
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	†										†	
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P-1 SHOPPING LIST CLASSIFICATION: ITEM NO. 10 PAGE NO. 2

### CLASSIFICATION: UNCLASSIFIED

OLAGO	IIIOAIION. CITCE/TOCIII												
	WEAPONS SYSTEM COST ANALY	YSIS P-	5					Weapon Syst	em				DATE: February 1999
APPR	OPRIATION/BUDGET ACTIVITY							ID Code	F	P-1 ITEM NO	OMENCLATUR	E/SUBHEAD	
	REMENT OF AMMUNITION, NAVY & M	ARINE	CORPS (\$	(S'000									
	•		``	,					,	JATO (JE	ET ASSIST	ED TAKE	OFF) (Y1Q7)
			TOTAL COS	T IN THOUS	ANDS OF DOI	LLARS				•			
COST CODE	ELEMENT OF COST	ID Code	Prior Years*		FY 1998			FY 1999			FY 2000		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	MK 117 MOD O ROCKET MOTOR (H341) MK 125 RATO (H311)	A A	9,764 485		3335.00 3902.78	,	340 366	3387.00 3944.00	1,152 1,444	189 750	3447.00 4007.00		
Q7830	Integrated Logistics Support Production Engineering Support Product Improvement Program		154 1,099 774			60 412 557			165 432 674			70 541 700	
	FY98 unit cost is based on actuals for *Prior Years Reflects FY95-FY97 only								s Procurer	nent, Nav	yy (WPN) a	and Other F	Procurement Navy (OPN) accounts
			12,276			4,412			3,867			4,969	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION: ITEM NO.

PAGE NO. 3

**UNCLASSIFIED** 

# **UNCLASSIFIED**

DGET PROCURE	MENT HISTO	DRY AND PL	ANNING EXHIB	IT (P-5A)		Weapon System		A. DATE	ebruary 19	000
APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NOM	  ENCLATURE			SUBHEAD	333
OCUREMENT OF	AMMUNITIC	N, NAVY &	MARINE CORPS	8					Y1	Q7
		•			JATO (JET A	ASSISTED TAKE OFF)				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF YES WHEN AVAILABI
040 MK 117 JATO F		OR (H341)								
FY 98	930	3335.00	NAVAIR	N/A	РО	NSWC IH (IH, MD)	Apr-98	Apr-99	YES	
FY 99	340	3387.00	NAVAIR	N/A	PO	UNKNOWN	Apr-99	Apr-00	YES	
FY 00	189	3447.00	NAVAIR	N/A	PO	UNKNOWN	Apr-00	Apr-01	YES	
050 MK 125 RATO										
FY 98	72	3902.78	NSWC IH	Jan-98	C/FP	UNIVERSAL PROP.	Apr-98	Apr-99	YES	
FY 99	366	3944.00	NSWC IH	Jan-99	UNK	UNKNOWN	Apr-99	Apr-00	YES	
FY 00	750	4007.00	NSWC IH	Jan-00	UNK	UNKNOWN	Apr-00	Apr-01	YES	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 10 PAGE NO. 4

<sup>\*</sup> FY94 Buy was below threshold reprogramming that was combined with FY96 Buy.

FY 1998/99 BUDGET PRODU			DULE	E, P-2	1													DATE	=		F	ebr	uary	/ 19	99					
APPROPRIATION/BUDGET A	CTIVITY	<b>′</b>											Wea	por	i Sys	tem		P-1	ITE	ΛN	OME	ENC	LAT	URI	=					
PROCUREMENT OF AMMUNI	ITION, N	YVAV	& MA	RINE	CORF	PS															JA	TO	S							
							Pro	duct	ion	Rate	!				Pro	cure	mei	nt Le	eadtir	nes										
			nufacti										ΤP		AL.	T Af	ter		Initia	-		eorc	-					Un	it of	
Item			and L			MS	SR		8-5	M		to	Oct	1		Oct 1		М	fg Pl	Т_	M	fg P	LT		Tota	al		Mea		е
MK 117 (H341)	NSW	C Indi	ian He	ad, M	D	20	8.0	83	3.3	16	6.7					6			12			12			18			EA	СН	
1																														
MK 125 (H311)	UPC	O, Pho	oenix,	AZ		41	.7	12	5.0	37	5.0					6			12			12			18			EA	CH	
ITEM (MAN) IEA OT IDED		_		_	_							EAR								1		FISC		EAR						
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		1998	ı		1	CALE	NDAR I		R 1999	9 ■	- 1		1				ı	1		I	EAR 2	2000	1	ı	B
		C	Y	L	L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N D	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U J	A U G	S E P	A L
Q7040-MK 117 (H341)																														
NSWC IHD	98	N	930	0	930							500						430												0
NSWC IHD	99	N	340	0	340							A						700						170						170
NSWC IHD	00	Ν	189	0	189																			Α						189
O-0-0-0-14/4 (0-1-DATO (11044)																														
Q7050-MK 125 RATO (H311) UNK	98	N	72	0	72							72																		0
UNK	99	N	366	0	366							A												183						183
UNK	00	N	750	0	750							A												163 A						750
										FISC	AL YI	EAR :	2001			-						FISO	CAL Y	ΈAR	2002					
ITEM / MANUFACTURER	F	S	Q	D	В		2000						CALE	NDAR	R YEAF	R 2001	 						C/	ALENE	DAR Y	EAR 2	002			
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	J.	J.	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A	U	U	U	E	A L
Q7040-MK 117 (H341)	+						_							-		-		<u> </u>		-		-		H	-		┢▔	1		一
NSWC IHD	99	N	340	170	170	170																								0
	00	N	189	0	189							94						95												0
Q7050-MK 125 RATO (H311)																														
UNK	99	N	366	183	183	183																								0
UNK	00	N	750	0	750							375						375												0
* Engineering invest Delivery rates are lat						use (	deliv	erie	s are	e ma	ıde i	n ba	tche	S.																

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 10 PAGE 5 Exhibit P-21 Production Schedule

NAVMAT FORM 7110.1			TION, NAVY & MA STIFICATION SH		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NON 5"/54 GUN AM				SUBHEAD NO BLIN: 025000	. A1AC
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	49.1	21.8	15.8	19.6	19.4	19.9	20.3	20.6

This is a round of ammunition (separate loading ammunition) fired from cruiser and destroyer type combatant ships against air, surface and shore targets. There are also numerous barrels located at schools and engineering test sites.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions which are integral to an item's manufacture.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION BUDGET ITEM JUS	ON, NAVY & MARINE CORF TIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1999
BUDGET ACTIVITY 1 NAVY AMMUNITION		P-1 ITEM NOMENCLATUR 5"/54 GUN AMMUNITION	E	SUBHEAD NO. A1AC BLIN: 025000
ready-for-issue condition. The GAUGE: These funds are reports. This quality control is reproper ammunition performan NON-STANDARD ITEMS: The munition items.	necessary to ensure proper matir nce. ne non-standard line supports pr	those with the lowest asset retequipment necessary to chang of parts and subassemblies ocurement of ammunition tra	eadiness positions.  eck critical dimensions/parames, correct interfacing between ining aids and initial procurements.	eters of ammunition items and their
standard price list has been u		angie Manager for Conventio	nai Ammunidon (SMCA). The	most recent Swich standard/hon

APPROPRIA PROCURI	ATION EMENT AMMUNITION, NAVY & MARINE CO	RPS	WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 199	99
BUDGET AG	CTIVITY				P-1 ITEM NOME	ENCLATURE			SUBHEAD NO.	
	MMUNITION	NARM COD	E 025000		5"/54 GUN AMM				A1AC	
Cost		Ident.	FY 1	998	FY <sup>'</sup>		FY 2			2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AC100										
	5"/54 BL&P	D349					12000	2948		
	5"/54 IMPROVED CONV. MUNITION	DICM	14328	30487			.2550	2010		
	5"/54 PROJ HE MFF	MFFP	320		5469	8666				
AC830	PRODUCTION ENGINEERING			4109		3455		1500		
AC850	PRODUCT IMPROVEMENT			5320		2650		1500		
AC893	RENOVATION COMPONENTS			8469		6334		9248		
AC894	GAUGE REQUIREMENTS			542		538		392		
AC895	NON-STANDARD ITEMS			160		165		170		
	TOTAL			49087		21808		15758		
										-
										1

APPROPRI PROCUR	ATION EMENT AMMUNITION, NA	VY & MARINE CORPS	PROCUREME	ENT HISTORY & PLA	ANNING			(DOD EXHII	BIT P-5A)		FEBRUARY 19	999
BUDGET A	CTIVITY AMMUNITION	NARM CODE 025000			P-1 ITEM NO 5"/54 GUN AI		RE				SUBHEAD NO A1AC	
COST	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND ADDRESS	CONTRACT METHOD AND TYPE	P/R CONTRACTED BY	RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST		ARE SPECS REVS	IF YES WHEN AVAIL
AC100	5"/54 BL & P D349 FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Nov-99	Mar-00	Feb-02	12000	245.66	NO	YES	Jul-99
NOTE: All	items shown are priced with	available GFM.										

Approp	oriation												Produ	ction S	Sched	ule														Date						
	UREMENT AMMUNITIO	N NA	VY &	MA	RINE	CORP	S																							FE		IARY 199				
Budge	t Activity																	P-1	Item	Nomen	clature	•										Subhead I	No.			
1 NAV	Y AMMUNITION																	5"/	54 GU	N AMM	IUNITI	ON										A1AC				
Cost		Dret	U S		Prog	Oct	t 1			F	iscal Year 2	2000								Fisca	l Year 20	001								Fisca	al Year	2002				
Code	Item/Mfr	Prg Yr	/ e M r	v	Qty	Acc	Bal	CY 99				Calen	dar Year	2000								C	alendaı	Year 2	2001							Calendar Ye	ar 2002		1	Later
			Mr		.,	Prior	Due	Oct Nov	Dec	Jan F	eb Mar	Apr May	Jun	Jul	Aug S	Sep (	Oct N	lov De	Jan	Feb	Mar	Apr 1	May J	Jun J	ul A	ug Se	p Oct	Nov Dec	Jan	Feb	Mar	Apr May	Jun Jul	Aug	Sep	
						2000	2000																													
AC100	D349 - 5"/54 BL&P																																			
	UNK	00	K	N	12.0		12.0				A																			4.0	4.0	4.0				
	TOTALS				12.0		12.0																	İ						4.0	4.0	4.0				
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N 4	anufacture's Name and L	oooti	on	-		N 45	FIC	Duuction K	3162			Reache	ed	-					FIUCU		nin Lea				_		_	Tromains.								
IVI	anuiaciure s Name and L	ocau	on			Min Sust.		1-8-5		M	ax	D+								-			_	Manu		Total										
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NAVMAT FORM 7110.1			TON, NAVY & MA STIFICATION SH		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOM 5"/62 CAL EXT		E GUIDED MUN		SUBHEAD NO BLIN: 025300	
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	0	27.4	3.0	24.5	45.3	70.4	71.7	97.4

The Extended Range Guided Munition (ERGM) is a key element in providing a near term Naval Surface Fire Support (NSFS) capability. The NSFS mission is to support the U.S. and allied assault landing forces through increased range and accuracy.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions which are integral to an item's manufacture.

	PROCUREMENT AMMUNITION	ON, NAVY & MARINE CORPS	8	
NAVMAT FORM 7110.1	BUDGET ITEM JUS	TIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1999
BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE		SUBHEAD NO. A1AK
1 NAVY AMMUNITION		5"/62 CAL EXTENDED RANG	GE GUIDED MUNITION (ERGM)	BLIN: 025300
			omponents will be used to upgrad	de unserviceable rounds to
ready-for-issue condition. The	rounds to be renovated will be	those with the lowest asset rea	adiness positions.	
	ecessary to ensure proper matir		ck critical dimensions/parameters , correct interfacing between the	
NON-STANDARD ITEMS: The munition items.	e non-standard line supports pro	ocurement of ammunition train	ing aids and initial procurement of	of required non-type classified
All ammo procured with these	funds is procured through the N	avy.		

APPROPRIA PROCURE	ATION EMENT AMMUNITION, NAVY & MARINE COR	PS	WEAPONS SYS	STEM COST AN	ALYSIS		(DOD EXHIBIT	P-5)	FEBRUARY 19	99
BUDGET AC	CTIVITY				P-1 ITEM NOME	ENCLATURE	l		SUBHEAD NO.	
	MMUNITION	NARM COD	E 025300		5"/62 CAL EXTE		GUIDED MUNITI	ON (ERGM)	A1AK	
Cost		Ident.		1998		1999		2000		2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AK100										
	5"/62 EXT RANGE GUIDED MUNITION	ERGM			*410					
	5"/62 CHARGE, ERGM	ECHG			420					
	5"/62 SLUG	ESLG			10	50				
AK831	PRODUCTION ENGINEERING					3438		3004		
AK832	QUALITY ASSURANCE					0				
AK833	ACCEPTANCE TESTING					0				
AK850	PRODUCT IMPROVEMENT					9310		0		
	TOTAL					27395		3004		
	* Provided long lead time material for loading	ı, assembly, and	pack in FY01.							
	<u> </u>									
			+							

NAVMAT FORM 7110.1			TION, NAVY & MA STIFICATION SE		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOM CIWS GUN AM				SUBHEAD NO. BLIN: 026000	A1AE
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	0.5	0.7						

This ammunition is fired by the Phalanx Close-In Weapon System (CIWS) 20MM gatling gun for terminal defense against missiles and aircraft. At the end of FY 99 there will be CIWS systems installed on carriers, cruisers, destroyers, frigates, fast combat support ships (AOE's), amphibious command ships (LCC's), amphibious assault ships (LHA's and LPH's), amphibious transport dock ships (LPD's), landing ship dock ships (LSD's), high endurance cutters (WHEC's), and designated school commands and engineering test sites.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Requested funds provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions integral to an item's manufacture.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION BUDGET ITEM JUST		PS (DOD EXHIBIT P-40)	FEBRUARY 1999
TWANTED TOTAL	DODGET HEW 3031	II IO/(IION OIILLI	(DOD EXHIBIT 1 40)	L BROAKT 1999
BUDGET ACTIVITY	<u> </u>	P-1 ITEM NOMENCLATUR	E	SUBHEAD NO. A1AE
1 NAVY AMMUNITION		CIWS GUN AMMUNITION		BLIN: 026000
	TS: Items purchased with funds in the control of th			de unserviceable rounds to ready
	quired to procure gauges and test necessary is to ensure proper mat nce.			
NON-STANDARD ITEMS: Tomunition items.	he non-standard line supports pro	curement of ammunition tra	aining aids and initial procurem	ent of required non-type classified
All ammo procured with these standard price list has been u	e funds is procured through the Sinused in pricing the ammo.	ngle Manager for Convention	onal Ammunition (SMCA). The	most recent SMCA standard/non
FY 00 and subsequent years	are transferred to OSGA P-1 (BLI	N: 027000).		

APPROPRIA PROCURE	TION MENT AMMUNITION, NAVY & MARINE CORPS	PR(	OCUREMEN	T PROGRAM - F	RESERVE COMP	ONENTS	(DOD EXHIBIT	P-IR)	FEBRUARY 199	99
BUDGET AC	TIVITY				P-1 ITEM NOME	NCLATURE			SUBHEAD NO.	
		NARM CODE 026	6001		CIWS GUN AMN				A1AE	
P-1 Line		•		1998	FY 1		FY:	2000		2001
Item No.	Item Nomenclature		QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AE000	CIWS GUN AMMUNITION		660	4	1003	6				
-										
	1									
										L

APPROPRIA PROCURI	ATION EMENT AMMUNITION, NAVY & MARINE CC	PRPS	WEAPONS SYS	STEM COST ANA	ALYSIS		(DOD EXHIBIT	P-5)	FEBRUARY 19	99
BUDGET AG	CTIVITY MMUNITION	NARM COD	E 026000		P-1 ITEM NOME				SUBHEAD NO. A1AE	
Cost		Ident.	FY 1	1998	FY 1	1999	FY	2000		2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AE100										
	CTG. 20MM, PLASTIC DUMMY	AA20	54550	300	99800	558				
AE830	PRODUCTION ENGINEERING			157		101				
AE895	NON-STANDARD ITEMS									
	TOTAL			457		659				
	TOTAL			101						
										-
			1		<u> </u>		<u> </u>	<u> </u>		<b>↓</b>

NAVMAT FORM 7110.1			TON, NAVY & MA STIFICATION SE		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOM 76MM GUN AN				SUBHEAD NO. BLIN: 026500	A1AF
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	3.4	3.8	7.0	8.8	8.5	8.5	8.6	8.6

The 76MM caliber cartridge is a fixed round of ammunition for use in the MK 75 gun mount. Its primary use is against air targets but it may also be used against surface and shore targets. The weapon system, consisting of the MK 75 gun mount and MK 92 fire control system, has been designated for use on guided missile frigates (FFG's), and United States Coast Guard (USCG) ships. At the end of FY 99 there will be weapon systems installed on FFG's and USCG ships. There are also numerous barrels located at schools and engineering test sites.

<u>PROCUREMENT:</u> The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Requested funds provide engineering support for items procured in same fiscal year. Support efforts include: analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions which are integral to an item's manufacture.

NAVMAT FORM 7110.1		ON, NAVY & MARINE CORPS TIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1999
BUDGET ACTIVITY 1 NAVY AMMUNITION		P-1 ITEM NOMENCLATURE 76MM GUN AMMUNITION		SUBHEAD NO. A1AF BLIN: 026500
	S: The items purchased with fur distributed with seconds to be renovated will be those with the seconds of the second of the seconds of the second of			rade unserviceable rounds to ready-
	ecessary to ensure proper matin			ers of ammunition items and their ammunition and guns, and
NON-STANDARD ITEMS: The munition items.	e non-standard line supports pro	ocurement of ammunition training	g aids and initial procuremer	nt of required non-type classified
All ammo procured with these standard price list has been us		ngle Manager for Conventional	Ammunition (SMCA). The m	nost recent SMCA standard/non-

APPROPRIA PROCURE	TION MENT AMMUNITION, NAVY & MARINE CORPS	PROCUREMEN	NT PROGRAM - F	RESERVE COMP	ONENTS	(DOD EXHIBIT F	P-1R)	FEBRUARY 199	99
BUDGET AC	TIVITY			P-1 ITEM NOME	NCLATURE	I		SUBHEAD NO.	
		NARM CODE 026501		76MM GUN AMI				A1AF	
P-1 Line			1998	FY '		FY 2	2000		2001
Item No.	Item Nomenclature	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AF000	76MM GUN AMMUNITION	52	2 27	32	29	39	28		
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APPROPRIA PROCURI	ATION EMENT AMMUNITION, NAVY & MARINE (	CORPS	WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	99
BUDGET AC	CTIVITY				P-1 ITEM NOME	NCLATURE			SUBHEAD NO	
	MMUNITION	NARM COD	E 026500		76MM GUN AM				A1AF	
Cost		Ident.	FY 1	998	FY 1		FY 2	2000		2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AF100										
	76MM CTG, BL&P	C062	5347	2786	3732	2827	7788	5939		
	PE/QA (SMCA)					5		5		
AF830	PRODUCTION ENGINEERING			418		565		609		
AF850	PRODUCT IMPROVEMENT			99		209		219		
AF893	RENOVATION COMPONENTS			1		77		116		
AF894	GAUGE REQUIREMENTS			53		55		80		
AF895	NON-STANDARD ITEMS			15		15		44		
	TOTAL			3372		3753		7012		

APPROPR PROCUR	IATION REMENT AMMUNITION, NA	VY & MARINE CORPS	PROCUREM	ENT HISTORY & PL	ANNING			(DOD EXHIE	BIT P-5A)		FEBRUARY 19	999
BUDGET A	ACTIVITY				P-1 ITEM NO	MENCLATUR	RE	<u> </u>			SUBHEAD NO	).
1 NAVY	AMMUNITION	NARM CODE 026500			76MM GUN A	MMUNITION	I				A1AF	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	BY	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAIL
AF100							<u> </u>	<u>I</u>			<u> </u>	
	76MM BL+P C062											
	FY 1998	CRANE AAA	MIPR	AMCCOM DRSMC	Dec-97	Mar-98	Sep-99	5347	520.96	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-98	Mar-99	Sep-00	3732	757.49	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Dec-99	Mar-00	Sep-01	7788	762.52	NO	YES	Jul-99
OTE: All	items shown are priced with	available GFM.										

Appro	priation													Producti	on Sch	edule																Date						
PROC	UREMENT AMMUNITION	N NA	VY	& M/	ARINE	CORF	PS																									FEBRU						
Budge	et Activity																	Р	-1 Ite	m Nom	encla	ture											Subhead	l No.				
1 NAV	Y AMMUNITION																	7	6MM	GUN A	MMU	NITIO	N										A1AF					
Cost		Prot	U	s	Prog	Oc	t 1				Fisca	al Year 199	9							Fis	cal Ye	ar 2000	0									Fiscal Year	2001					i
Code	Item/Mfr	Prg Yr	/ M		Qty	Acc	Bal		CY	98			Calen	dar Year 19	99								Calen	dar Yea	r 2000								Calendar Y	ear 200				Later
			M	г		Prior	Due	Oct	No	v Dec	Jan Feb	Mar Ap	or May	Jun Ju	l Aug	Sep	Oct	Nov I	Dec J	an Fel	ь Ма	r Ap	or May	Jun	Jul	Aug	Sep	Oct	Nov E	Dec Ja	an	Feb Mar	Apr Ma	y Jun	Jul	Aug	Sep	
						1998	1998																															
AF100	C062 - 76MM BL&P																																					
	CRANE CAAA		K		5.3		5.3									5.3																						
	UNK	99	K	N	3.7		3.7					A															3.7											
	UNK	00	K	N	7.8		7.8														A																7.8	
	TOTALS				16.8		16.8									5.3											3.7										7.8	
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M	anufacture's Name and L	ocati	on			Min			1-8	-5	Max		D+	eu						A	dmin	Lead <sup>*</sup>	Time	Mai	nu-	Tota	al											
						Sust.															Prior		After	factu		afte												
	E CAAA						1260	- 1		25000	1	00000								1	1-Oct	1	1-Oct	tim	ne	1-0												
UNK							1260	0		25000	5	00000			Initia			_				5	5		18		23											
															Reo	der (	Previo	us Sour	ce)			5	5		18		23											
																_			_	Р	-1 Ite		opp List	t Item	No	Page												
																							14			6												

NAVMAT FORM 7110.1			ION, NAVY & MA STIFICATION SH		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOM OTHER SHIP (		ION		SUBHEAD NO. BLIN: 027000	A1AG
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	4.4	4.5	5.8	6.7	7.3	7.6	7.8	7.9

This program provides ammunition (20MM through 84MM cartridges and rockets) for active Navy ships and for active and reserve ashore warfare forces including mobile construction battalions (MCB's), amphibious construction battalions (ACB's), fleet combat readiness groups, inshore undersea warfare groups, and other operational units.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Requested funds provide engineering support for items procured in same fiscal year. Support efforts include: analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions integral to an item's manufacture.

	PROCUREMENT AMMUNITION	ON, NAVY & MARINE COR	PS	
NAVMAT FORM 7110.1	BUDGET ITEM JUS	TIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1999
BUDGET ACTIVITY		P-1 ITEM NOMENCLATUR	RE	SUBHEAD NO. A1AG
1 NAVY AMMUNITION		OTHER SHIP GUN AMMU	NITION	BLIN: 027000
eady-for-issue condition. The SAUGE: These funds are rec	<u>TS:</u> The items purchased with further expecific rounds to be renovated quired to procure gauges and test necessary to ensure proper matires.	d will be those with the lowe at equipment necessary to c	st asset readiness positions.  heck critical dimensions/parame	ters of ammunition items and the
proper ammunition performan		ig of parts and subassembli	es, correct interfacing between t	ne ammunition and guns, and
NON-STANDARD ITEMS: TImunition items.	he non-standard line supports pr	ocurement of ammunition tr	aining aids and initial procureme	nt of required non-type classified
All ammo procured with these standard price list has been u		ingle Manager for Conventi	onal Ammunition (SMCA). The r	most recent SMCA standard/non

APPROPRIA PROCURE	TION MENT AMMUNITION, NAVY & MARINE CORPS	F	PROCUREMEN	T PROGRAM - R	RESERVE COMP	ONENTS	(DOD EXHIBIT F	P-1R)	FEBRUARY 199	99
BUDGET AC	TIVITY	L			P-1 ITEM NOME	NCLATURE			SUBHEAD NO.	
		NARM CODE	027001		OTHER SHIP G		N		A1AG	
P-1 Line				1998	FY 1		FY 2			2001
Item No.	Item Nomenclature		QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AG000	OTHER SHIP GUN AMMUNITION		190	40	1326	46	1229	51		
<del>                                     </del>	<u> </u>									
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							-			
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APPROPRIA PROCURE	EMENT AMMUNITION, NAVY & MARINE COF	RPS	WEAPONS SYS	TEM COST ANA	LYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	199
BUDGET AC	CTIVITY		1		P-1 ITEM NOME	NCLATURE			SUBHEAD NO	
	MMUNITION	NARM COD	E 027000		OTHER SHIP GU		N		A1AG	
Cost		Ident.	FY 1	998	FY 1		FY 2	2000		2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cos
10100										
AG100	25MM CARTRIDGES									+
		4070					00000	070		-
	CTG. 25MM, TP-T, M793	A976			400750	0.40=	66000	876		_
	CTG. 25MM, SAPHEI-T	A991			123750	2467				+
	40MM CARTRIDGES (GRENADE)									
	CTG. 40MM, FIXED, PRAC	B576					102464	1411		
	CTG. 40MM, BLANK, SAL (350 & 200)	B650			8532	288	5994	195		
	60MM CARTRIDGES									
	CTG. 60MM, HE	B643	13648	1031	4096	464	18384	1998		
	CTG. 60MM, SMOKE, WP	B646			2384	662				
	CTG. 60MM, ILLUM	B647	4928	2914						
AG200										+
	20MM CARTRIDGES									
	CTG. 20MM, PLASTIC DUMMY	AA20					97000	551		
	PE/QA (SMCA)					92		65		+
10000	PROPUSTION ENGINEERING					222				
AG830	PRODUCTION ENGINEERING		+	385		398		573		-
AG850	PRODUCT IMPROVEMENT		+			66		68		1
AG892	NON-STANDARD ITEMS			26		20		20		+
AG893	RENOVATION COMPONENTS			18		54		55		
AG894	GAUGE REQUIREMENTS			27		28		29		
	TOTAL			4401		4539		5841		

PROCUR	EMENT AMMUNITION, NA	VY & MARINE CORPS	PROCUREMI	ENT HISTORY & PLA	ANNING			(DOD EXHIE	BIT P-5A)		FEBRUARY 1	999
BUDGET A	CTIVITY				P-1 ITEM NO	MENCLATU	RE				SUBHEAD NO	).
1 NAVY A	AMMUNITION	NARM CODE 027000			OTHER SHIP	GUN AMML	JNITION				A1AG	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	BY	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAIL
AG100		1	1					<u> </u>			<u>l</u>	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	25MM CARTRIDGES											
	CTG, 25MM, TP-T, M798	A976										
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Apr-00	Jun-01	66000	13.27	NO	YES	Jul-99
	40MM CARTRIDGES (GR	ENADE)										
	CTG, 40MM, FIXED, PRAC											
	FY 1992	MILAN AAP	MIPR	AMCCOM DRSMC	Oct-91	Nov-91	Dec-98	34128	9.07	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Jan-00	Oct-01	102464	13.77	NO	YES	Jul-99
	CTG, 40MM, BLANK, SAL	(350 & 200 GRAMS) B650										
	FY 1997	MILAN AAP	MIPR	AMCCOM DRSMC	Oct-96	Jan-97	Dec-98	14652	25.95	YES	NO	
	FY 1999	MILAN AAP	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Nov-99	8532	33.70	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Jan-00	Nov-00	5994	32.52	NO	YES	Jul-99
	60MM CARTRIDGES											
	CTG. 60MM, HE B643											
	FY 1995	MILAN AAP	MIPR	AMCCOM DRSMC	Dec-94	Mar-95	Oct-99	25264	82.63	YES	NO	
	FY 1998	MILAN AAP	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Dec-99	13648	75.57	YES	NO	
	FY 1999	MILAN AAP	MIPR	AMCCOM DRSMC	Oct-98	Jan-99	Oct-00	4096	113.23	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Jan-00	Oct-01	18384	108.68	NO	YES	Jul-99

APPROPR PROCUR	IATION REMENT AMMUNITION, NA	AVY & MARINE CORPS	PROCUREME	:NT HISTORY & PL	_ANNING			(DOD EXHIE	BIT P-5A)		FEBRUARY 19	999
BUDGET A	ACTIVITY		_		P-1 ITEM NO	MENCLATU	RE				SUBHEAD NO	
1 NAVY	AMMUNITION	NARM CODE 027000			OTHER SHIP	GUN AMML	INITION				A1AG	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	ВҮ	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAIL
AG200		•			•							
710200	20MM CARTRIDGES											
	CTG, 20MM DUMMY, M51	1A4N AA20										
	FY 1995	LCAAP	ARDEC	Jun-96	Sep-96	Jun-98	272941	5.33	YES	NO		
	FY 1998	LCAAP	Oct-97	Jun-98	Apr-99	54550	5.50		NO			
	FY 1999	UNKNOWN	MIPR MIPR	ARDEC ARDEC	Oct-98	Feb-99	Apr-00	99800	5.59		NO	
	FY 2000	UNKNOWN	MIPR	ARDEC	Oct-99	Feb-00	Apr-01	97000	5.68		YES	Jul-99
OTE: All	items shown are priced with	n available GFM.										

NAVMAT FORM 7110.1			TON, NAVY & MA STIFICATION SH		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NON SMALL ARMS		PARTY AMMUI	NITION	SUBHEAD NO BLIN: 033500	. A1AH
	FY 98	FY 99	FY 00	FY 01	FY02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	7.6	7.7	8.0	8.8	9.0	9.1	9.3	9.5

This program provides ammunition for active Navy ships and for active and reserve ashore warfare forces including: mobile construction battalions (MCB's), amphibious construction battalions (ACB's), fleet combat readiness groups, inshore undersea warfare groups and other operational units.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include: analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions integral to an item's manufacture.

NAVMAT FORM 7110.1		ON, NAVY & MARINE CORPS TIFICATION SHEET	(DOD EXHIBIT P-40)	FEBRUARY 1999
BUDGET ACTIVITY 1 NAVY AMMUNITION	<u> </u>	P-1 ITEM NOMENCLATURE SMALL ARMS AND LANDING	PARTY AMMUNITION	SUBHEAD NO. A1AH BLIN: 033500
ready-for-issue condition. The GAUGE: These funds are requarts. This quality control is not and proper ammunition perform	ecessary to ensure proper matir mance.	those with the lowest asset readst equipment necessary to checking of parts and subassemblies,	diness positions.  k critical dimensions/parame assure correct interfacing be	grade unserviceable rounds to eters of ammunition items and the etween the ammunition and guns, ent of required non-type classified
		ingle Manager for Conventional	I Ammunition (SMCA). The	most recent SMCA standard/non

APPROPRIA PROCURE	TION MENT AMMUNITION, NAVY & MARINE CORPS	PROCURE	MENT PROGRAM - I	RESERVE COMP	PONENTS	(DOD EXHIBIT F	P-1R)	FEBRUARY 199	99
BUDGET AC	CTIVITY	l l		P-1 ITEM NOME	ENCLATURE			SUBHEAD NO.	
		NARM CODE 033501				ARTY AMMUNITI		A1AH	
P-1 Line			FY 1998		1999	FY 2			2001
Item No.	Item Nomenclature	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AH000	SMALL ARMS AND LANDING PARTY AMMUN	TION 193	720 66	205939	69	138606	68		
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APPROPRIATION PROCUREMENT AMMUNITION, NAVY & MARINE CORPS			WEAPONS SYSTEM COST ANALYSIS			(DOD EXHIBIT P-5)		FEBRUARY 1999		
BUDGET ACTIVITY  1 NAVY AMMUNITION  NARM COD		1		P-1 ITEM NOMENCLATURE		.1		SUBHEAD NO.		
		NARM COD	DDE 033500		SMALL ARMS AND LANDING P.		ARTY AMMUNITION		A1AH	
	Cost		FY 1998		FY 1999		FY 2000		FY 2001	
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AH100										
711100	SHOTGUN CARTRIDGES									
	CTG. 12 GA, NO.00	A011			286720	100				
	5.56MM CARTRIDGES									
	CTG. 5.56MM, TRACER, M856	A063					253400	139		
	7.62MM CARTRIDGES									
	CTG. 7.62MM, LKD, BALL & TRACER	A131	1260000	756						
	CTG. 7.62MM, BALL, LINKED M80	A143	1000000	560	1500000	630	1047900	430		
	CTG. 7.62MM, DIM TRACE M80/M276	A257	3500000	1925	2047500	799	479400	182		
	CTG. 7.62MM MATCH	AA11			600000	312	420000	231		<u> </u>
	9MM CARTRIDGES									
	CTG. 9MM, BALL	A363	10000000	1500	10000000	1400	2000000	220		
	SUBTOTAL PAGE 1			4741		3241		1202		

APPROPRIA PROCURE	ATION EMENT AMMUNITION, NAVY & MARINE CO	RPS	WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	99
BUDGET AC	CTIVITY				P-1 ITEM NOME	NCLATURE			SUBHEAD NO	
	MMUNITION	NARM COD	E 033500		SMALL ARMS A		ARTY AMMUNITI	ON	A1AH	
Cost		Ident.	FY 1	998	FY 1		FY 2			2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AH100	CONTINUED									
	.45 CAL CARTRIDGES									
	CTG45 CAL, BALL, WADCUTTER	A470	220000	55	131200	30				
	CTG45 CAL, BALL, M1911, MAT	A483					460500	88		
	.50 CAL CARTRIDGES									
	CTG50 CAL, LINKED, BALL	A555	400000	760						
	CTG50 CAL, LINKED & TRACER	A557					572000	955		
	CTG50 CAL, MK 211, APIT, M2	AA06	364600	1127	1078600	3430	771200	4627		
	PE/QA (SMCA)					231		323		
AH830	PRODUCTION ENGINEERING			400		280		290		
AH850	PRODUCT IMPROVEMENT			110		115		120		
AH895	NON-STANDARD ITEMS			219		227		236		
AH350	MATCH AMMO			175		182		189		
	SUBTOTAL PAGE 2			2846		4495		6828		
	TOTAL			7587		7736		8030		

UDGET A		T						(DOD EXHIE	on r-oa)		FEBRUARY 19	199
1 NAVY A					P-1 ITEM NO	MENCLATUI	RE				SUBHEAD NC	
	AMMUNITION	NARM CODE 033500			SMALL ARMS	S AND LAND	ING PARTY A	MMUNITION			A1AH	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	ВҮ	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAIL
AH100	l		- 1				L	ll		L	l l	
	5.56MM CARTRIDGES											
	CTG. 5.56MM, TRACER, M	1856 A063										
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	253400	0.55	NO	YES	Jul-00
	7.62MM CARTRIDGES											
	CTG. 7.62MM BALL, LINK	ED M80 A143										
	FY 1998	LCAAP	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	1000000	0.56	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Mar-99	Nov-99	1500000	0.42	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	1047900	0.41	NO	YES	Jul-99
	CTG. 7.62MM DIM TRACE	M80/M276 A257										
	FY 1998	LCAAP	MIPR	AMCCOM DRSMC	Oct-97	Jan-98	Nov-98	3500000	0.55	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Mar-99	Nov-99	2047500	0.39	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	479400	0.38	NO	YES	Jul-99
	CTG. 7.62MM MATCH AA	.11										
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Mar-99	Nov-99	600000	0.52	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	420000	0.55	NO	YES	Jul-99

APPROPR PROCUF	SIATION REMENT AMMUNITION, NA	AVY & MARINE CORPS	PROCUREM	ENT HISTORY & PL	ANNING			(DOD EXHIE	BIT P-5A)		FEBRUARY 1	999
BUDGET A	ACTIVITY				P-1 ITEM NO	MENCLATU	RE				SUBHEAD NO	).
	AMMUNITION	NARM CODE 033500					ING PARTY A	MMUNITION			A1AH	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	BY	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAIL
AH100	CONTINUED		<b>I</b>				1					
АПТОО	9MM CARTRIDGES											
	CTG. 9MM BALL A363											
	FY 1998	OLIN CORPORATION	MIPR	AMCCOM DRSMC	Oct-97	Feb-98	Nov-98	7554000	0.15	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Mar-99	Aug-99	10000000	0.13		NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC		Feb-00	Aug-99	2000000	0.14		YES	Jul-99
	.45 CAL CARTRIDGES											
	CTG45 CAL, BALL, M19	11, MAT A483										
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Feb-00	Aug-00	460500	0.19	NO	YES	Jul-99
	.50 CAL CARTRIDGES											
	CTG50 CAL, LINKED &	TRACER A557										
	FY 1997	LCAAP	MIPR	AMCCOM DRSMC	Oct-96	Feb-97	Nov-98	87000	2.39	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	572000	1.67	NO	YES	Jul-99
	CTG50 CAL. MK 211, A	PIT, M2 AA06										
	FY 1998	OLIN CORPORATION	MIPR	AMCCOM DRSMC	Oct-97	Dec-97	Nov-98	364600	3.09	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Mar-99	Nov-99	1078600	3.18	YES	NO	
	FY 2000	AMCCOM DRSMC	Oct-99	Dec-99	Nov-00	771200	6.00	NO	YES	Jul-99		

NOTE: All items shown are priced with available GFM.

NAVMAT FORM 7110.1			ON, NAVY & MA STIFICATION SH		(DOD EXHIBIT	P-40)	FEBRUARY 19	99
BUDGET ACTIVITY 1 NAVY AMMUNITION			P-1 ITEM NOM PYROTECHNIC		LITION MATERI	AL	SUBHEAD NO. BLIN: 034000	A1AJ
	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05
QUANTITY								
COST (In Millions \$)	10.0	8.9	8.2	8.4	8.5	8.8	9.0	9.2

# ITEM DESCRIPTION/JUSTIFICATION:

This program provides pyrotechnics and demolition materials for all active naval vessels, amphibious and mobile construction battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups (formerly beachjumper unit (BJU's)) and explosive ordnance disposal groups/mobile units/detachments/teams. This program also provides materials to support the ship shock test program.

Pyrotechnics are required to support the surface, air, ground, and underwater Navy requirements. These items consist of illumination, signalling, identification, and location devices using flare or smoke as the primary signalling agent. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search and rescue operations. Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements. Fleet requirements are based upon CNO approved allowance lists for special needs on a case-by-case basis and worldwide fleet expenditures.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION ENGINEERING:</u> Requested funds provide engineering support for items procured in same fiscal year. Support efforts include: analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering functions integral to an item's manufacture.

NAVMAT FORM 7110.1	PROCUREMENT AMMUNITION BUDGET ITEM JUST	ON, NAVY & MARINE CORPS TIFICATION SHEET	FEBRUARY 1999
BUDGET ACTIVITY 1 NAVY AMMUNITION		P-1 ITEM NOMENCLATURE PYROTECHNICS AND DEMOL	SUBHEAD NO. A1AJ BLIN: 034000

<u>PRODUCT IMPROVEMENT:</u> The requested funds support engineering services and related efforts by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

<u>RENOVATION COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

<u>GAUGE</u>: These funds are required to procure gauges and test equipment necessary to check critical dimensions/parameters of ammunition items and their parts. This quality control is necessary to ensure proper mating of parts and subassemblies, correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line supports procurement of ammunition training aids and initial procurement of required non-type classified munition items.

All ammo procured with these funds is procured through the Single Manager for Conventional Ammunition (SMCA). The most recent SMCA standard/non-standard price list has been used in pricing the ammo.

APPROPRIA PROCURE	TION MENT AMMUNITION, NAVY & MARINE CORPS	PROCUREMEN	IT PROGRAM - F	RESERVE COMP	ONENTS	(DOD EXHIBIT F	P-1R)	FEBRUARY 199	99
BUDGET AC	TIVITY			P-1 ITEM NOME	NCLATURE			SUBHEAD NO.	
		NARM CODE 034001		PYROTECHNIC		ΓΙΟΝ		A1AJ	
P-1 Line			1998		1999	FY 2			2001
Item No.	Item Nomenclature	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
item No.	nem Nomendature	QII	Total Cost	QII	Total Cost	QII	Total Cost	QII	Total Cost
AJ000	PYROTECHNICS AND DEMOLITION MATERIA	AL 947	82	4883	86	13333	84		
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
									-
									-
									<del> </del>
									<del> </del>
									<u> </u>

APPROPRI PROCURI	ATION EMENT AMMUNITION, NAVY & MARINE CORPS		WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	99
BUDGET A	CTIVITY		<u> </u>		P-1 ITEM NOME	NCI ATURE			SUBHEAD NO	
	MMUNITION	NARM COD	E 034000		PYROTECHNIC		TION		A1AJ	
Cost		Ident.	FY 1	998	FY 1		FY 2			2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ100										
7.0100	SIGNALS									†
	SIGNAL KIT, PERS DISTRESS	L118	14790	449						
	SIGNAL, HAND FIRED KIT, VARIATION	L131	7140	142	t					+
	SIGNAL, ILLUM, MARINE, RED	L191	20688	2048		936				
	SIGNAL, ILLUM, MARINE, YELLOW	L192	20688	2048						
	SIGNAL, ILLUM, MARINE RED STA	L193	13344	959	•	501				
	SIGNAL, SMOKE, MK 2, RED ROCKET	L201	9768	702						
	MARKER, LOCATION, SUB, MK 66/21, RED	L266		-	1500	900				
	SIGNAL, SMOKE ILLUM, MARINE, DISTRESS	L283					30024	1170		
	MINE CHARGES AND CHARGE CUTTERS									
	LIGHTWEIGHT DISPOSABLE DISRUPTOR	LIDD								
	CHG, DML, BLK, COMP C-4, 1.25/2.5 LB	M023								
	CHG, ASSY, DEML, M183/37	M757								
	MAIN CHARGE DISRUPTOR	MCD					6500	235		
	CHG, DEML, SHAPED, FLEX-LIN (300)	ML16			1500	59				
	CHG, BOOSTER, 20 GM, MK 140	MM30			20160	29				
	SUBTOTAL			6348		3093		1405		

APPROPRIA PROCURE	ATION EMENT AMMUNITION, NAVY & MARINE CORPS		WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	99
BUDGET AC	CTIVITY				P-1 ITEM NOME	NCLATURE	I.		SUBHEAD NO.	
1 NAVY AI	MMUNITION	NARM COD	E 034000		PYROTECHNIC		TION		A1AJ	
Cost		Ident.	FY 1	1998	FY 1	999	FY 2			2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ100	CONTINUED									
	DET CORDS, CAPS, AND FUZES									
	FIRING DEVICE, MK 59	MN44					830	855		
	LEAD PROTECTOR/ADAPTER MK 177 MOD 0	DWBY	10000	51			333			
	CAP, BLASTING, NON-ELEC, M7	M131	11000	<u> </u>			23000	97		
	CORD, DETONATING, PRIMACORD, PETN	M456			448000	63		120	•	
	FUZE, BLASTING, TIME	M670	248000	37	248000	35				
	SQUIB, ELECTRIC, MK 20 MOD 0	MG61			8000	240				
	BLASTING CAP, ELEC, MK 11	ML83					34360	1026		
	NON-ELEC DET W/IN-LINE INITIATOR	MN51	9180	395						
	ACOUSTIC FIRING SYSTEM	NZZZ			782	2710	427	1711		
	CUTTERS AND CARTRIDGES									
	CTG. IMPULSE, MK 148/0	M663	100	88						
	CHG, XPL CUT, TAPE, 63 GM/MT	MM24	10080	149						
	DET, ELEC, M107/0 & PRESSURE CTG	MW97	200	314						
	CTG. 50 CAL, MK 209	SS01			9996	300				
	SUBTOTAL			1034		3348		3809		
										-
										1
										1
										-
		-								1
			+							+

APPROPRIA PROCURI	ATION EMENT AMMUNITION, NAVY & MARINE CORP	s	WEAPONS SYS	TEM COST ANA	ALYSIS		(DOD EXHIBIT F	P-5)	FEBRUARY 19	99
BUDGET AG	CTIVITY		I.		P-1 ITEM NOME	NCI ATURE			SUBHEAD NO.	
	MMUNITION	NARM COD	E 034000		PYROTECHNIC		ΓΙΟΝ		A1AJ	
Cost		Ident.	FY 1	1998		1999	F20			2001
Code	Element of Cost	Code	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost	QTY	Total Cost
AJ100	CONTINUED									
	SHOCK TEST CHARGE									
	SHOCK TEST CHARGE, 10000 LB	6W57	10	359						
	BOOSTER CONT F/1200 LB SHOCK TEST	9W49	20	89						1
	SHOCK TEST CHARGE, 320 LB	9W50					30	205		
	SHOCK TEST CHARGE, 60 LB	XW65			155	226	250	405		
	PE/QA (SMCA)					62		99		
AJ830	PRODUCTION ENGINEERING			1000		970		996		
AJ850	PRODUCT IMPROVEMENT			800		900		918		
AJ893	RENOVATION COMPONENTS			150		100		102		
AJ894	GAUGE REQUIREMENTS			40		41		42		
AJ895	NON-STANDARD ITEMS			175		180		184		
	SUBTOTAL			2613		2479		2951		
	TOTAL			9995		8920		8165		
										<del> </del>

PROCUR	ATION EMENT AMMUNITION, NA	AVY & MARINE CORPS	PROCUREME	ENT HISTORY & PLA	ANNING			(DOD EXHIB	BIT P-5A)		FEBRUARY 19	999
UDGET A	CTIVITY				P-1 ITEM NO	MENCLATU	RE				SUBHEAD NO	).
1 NAVY A	AMMUNITION	NARM CODE 034000			<b>PYROTECHN</b>	IICS AND DE	MOLITION				A1AJ	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YE
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHE
CODE	FISCAL YEAR	ADDRESS	AND TYPE	BY	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVA
AJ100		1	•		l			l l			1	
	SIGNALS											
	SIGNAL, SMOKE ILLUM.	MARINE, DISTRESS L283										
	FY 1997	MARTIN ELECTRONICS	MIPR	AMCCOM DRSMC	Oct-96	Apr-97	Jan-00	30024	38.79	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Apr-00	Aug-01	30024	38.96	NO	YES	Jul-9
	MINE CHARGES AND CH											
	MAIN CHARGE DISRUPT											
	FY 2000	UNKNOWN	MIPR	NSWC CRANE	Oct-99	Feb-00	Oct-01	6500	36.14	NO	YES	Jul-9
	DET CORDS, CAPS, AND	FUZES										
	FIRING DEVICE, MK 59	MN44										
	FY 2000	UNKNOWN	MIPR	NSWC CRANE	Oct-99	Jan-00	May-01	830	1030.00	NO	YES	Jul-9
	CAP, BLASTING, NON-EL	EC, M7 M131										
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Apr-00	Feb-01	23000	4.19	NO	YES	Jul-9
	CORD, DETONATING, PF	RIMACORD, PETN M456										
	FY 1997	ENSIGN BICKFORD	MIPR	AMCCOM DRSMC	Oct-96	Aug-97	Jun-98	300000	0.16	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-98	Apr-99	Nov-99	448000	0.14	YES	NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Apr-00	Nov-00	800000	0.15	NO	YES	Jul-9

PPROPR	RIATION REMENT AMMUNITION, NA	AVY & MARINE CORPS	PROCUREMI	ENT HISTORY & PL	ANNING			(DOD EXHIE	BIT P-5A)		FEBRUARY 1	<del>9</del> 99
BUDGET /	ACTIVITY				P-1 ITEM NO	MENCLATU	RE	I			SUBHEAD NO	1.
1 NAVY	AMMUNITION	NARM CODE 034000			<b>PYROTECHI</b>	NICS AND DE	EMOLITION				A1AJ	
			CONTRACT	P/R			DATE OF			SPECS	ARE SPECS	IF YES
COST	ELEMENT OF COST	CONTRACTOR AND	METHOD	CONTRACTED	RELEASE	AWARD	FIRST	QTY	UNIT	AVAIL	REVS	WHEN
CODE	FISCAL YEAR	ADDRESS	AND TYPE	BY	DATE	DATE	DELIVERY		COST	NOW/WHEN	REQUIRED	AVAII
AJ100	CONTINUED	1	- 1	l	l		1				l l	
	DET CORDS, CAPS, AND	FUZES CONTINUED										
	BLASTING CAP, ELEC, M											
	FY 1995	STRESAU LABORATORY	CONTRACT	NSWC IH	Oct-94	Sep-97	Jan-99	26022	34.92	YES	NO	
	FY 1996	STRESAU LABORATORY	CONTRACT	NSWC IH	Oct-95	Sep-97	Jan-99	5640	41.93		NO	
	FY 1997	STRESAU LABORATORY	CONTRACT	NSWC IH	Oct-96	Sep-97	Jan-99	3338	41.93		NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC		Apr-00	Feb-01	34360	29.86		YES	Jul-9
	ACOUSTIC FIRING SYST	EM NZZZ										
	FY 1999	UNKNOWN	CONTRACT	NSWC CRANE	Oct-98	Feb-99	Oct-00	782	3466.20	YES	NO	
	FY 2000	UNKNOWN	CONTRACT	NSWC CRANE	Oct-99	Feb-00	Oct-01	427	4007.88	NO	YES	Jul-99
	SHOCK TEST CHARGES											
	SHOCK TEST CHARGE,											
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Jan-00	Jun-01	30	6813.90	NO	YES	Jul-99
	SHOCK TEST CHARGE,											
	FY 1997	CRANE AAA	MIPR	AMCCOM DRSMC	Jan-97	Feb-97	Dec-98	100	1099.93	YES	NO	
	FY 1999	UNKNOWN	MIPR	AMCCOM DRSMC		Mar-99	Jun-00	155	1459.94		NO	
	FY 2000	UNKNOWN	MIPR	AMCCOM DRSMC	Oct-99	Jan-00	Jun-01	250	1620.22	NO	YES	Jul-99
NOTE: All	items shown are priced with	n available GFM.										

## **CLASSIFICATION:**

	BUDGE	T ITEM	JUSTIFIC <i>A</i>	ATION SHE	ET			DATE:								
			P-40					Fe	bruary 19	99						
APPROPRIATION/BUD						P-1 ITEM NO	MENCLATUR	E/LINE ITEM	#							
PROCUREMENT O	F AMMUI	NITION,	NAVY/MAI	RINE CORP	S											
<b>BA-1: NAVY AMM</b>	-1: NAVY AMMUNITION							MINE NEUTRALIZATION DEVICES/035000								
Program Element for C	gram Element for Code B Items:							OTHER RELATED PROGRM ELEMENTS								
						N/A										
	Prior	ID									То					
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total				
QUANTITY																
EQUIPMENT COST																
(In Millions)	N/A	Α	\$6.2	\$7.8	\$9.2	\$9.5	\$9.2	\$9.4	\$9.6	\$9.8	N/A	\$70.7				
SPARES COST																
(In Millions)	N/A	Α	\$0.5	\$0.8	\$0.5	\$0.8	\$0.5	\$0.5	\$0.5	\$0.5	N/A	\$4.6				

# PROGRAM DESCRIPTION/JUSTIFICATION:

Mine Neutralization Devices are utilized in conjuction with minehunting systems to destroy mines that cannot be countered by normal minesweeping techniques. Once the mine is physically located, an explosive charge is placed in close proximity to neutralize the mine.

The Mine Neutralization System (MNS) was granted Approval for Full Rate Production in August 1991. The MNS is the primary weapon system for the MCM and MHC class ships. The Mine Neutralization Vehicle can drop a MK57 Destructor charge (MP-2) near a bottom mine to neutralize it. The vehicle is also capable of attaching a MK 26 Cable Cutter (MP-1) to a Moored Mine. MP-3 utilizes a modified MK 26 (MP-1) cable cutter and a MK57 Destructor (MP-2) together with floats to neutralize moored mines in place.

> P-1 SHOPPING LIST PAGE NO. 1

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO. 18

#### **UNCLASSIFIED** CLASSIFICATION:

		S SYSTE! P-	M COST AN 5	IALYSIS				Weapon Sys			DATE: February 1999			
	PRIATION/BUDGET ACTIVITY rement of Ammunition, Navy/Ma	arine Co	orps			ID Code	P-1 ITEM	NOMENCLA	TURE/SUB	HEAD				
	<b>BA-1: NAVY AMMUNITION</b>	Α		MINE NEU	TRALIZAT	CES/03500	00 (71U	<b>4</b> )						
			TOTAL CO	ST IN THO	USANDS O	F DOLLAR	S							
COST CODE	ELEMENT OF COST	ID Code					FY 1999			FY 2000				
			QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTA COST
	MINE WARFARE, N852													
J4002	EXPLOSIVE LOADING				371			685			1,147			
J4005	MK 57 BOMBLET	Α	110	17.31	1,904	146	17.60	2,570	131	17.91	2,346			
J4007	MP-3 DEVICE*	Α	190	12.93	2,456	210	13.14	2,759	125	28.50	3,562			
J4830	PRODUCTION ENGINEERING				701			744			929			
J4840	QUALITY ASSURANCE				64			104			110			
J4860	ACCEPTANCE TEST & EVALUATION				688			769			1,105			
J4900	CONSULTING SERVICES							200						
	-													
	*Kits will be procured to convert existing MP-1/MP-2 Items into													
	MP-3 Items.													
OTAL					6,184			7,831			9,199			
	И 2446, JUN 86		l	P-1 SHOPP		1	I	1,031				CLASSIFIC	ATION:	l

CLASSIFICATION: UNCLASSIFIED

<b>BUDGET PROCU</b>	REME	NT HIST	ORY AND PLAN	NING EXHIB	BIT (P-5A) Weapon System A				A. DATE					
								February 1999						
B. APPROPRIAT	ION/B	UDGET .	ACTIVITY		C. P-1 ITE	M NOMENCLATURE	SUBHEAD							
Procurement of A	mmur	nition, Na	avy/Marine Corp	S										
BA-1: NAVY AMN	<i>I</i> UNITI	ION			MINE NEUTRA	ALIZATION DEVICES	71U4							
Cost Element/ FISCAL YEAR	QTY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE				
FISCAL YEAR (98) U4005/MK 57 BOMBLET	110	17.3	NAVSEA	12/97	C/FFP	UNKNOWN	06/98	12/99	YES					
U4077/MP-3 DEVICE	190	12.9	NAVSEA		C/FFP	UNKNOWN	06/98	12/99	YES					
FISCAL YEAR (99)														
U4005/MK 57 BOMBLET	146	17.6	NAVSEA		C/FFP	UNKNOWN	12/98	06/00	YES					
U4007/MP-3 DEVICE FISCAL YEAR (00)	210	13.1	NAVSEA	12/97	C/FFP	UNKNOWN	12/98	06/00	YES					
U4005/MK 57 BOMBLET	131	17.9	NAVSEA		C/FFP	UNKNOWN	12/99	06/01	YES					
U4007/MP-3 DEVICE	125	28.5	NAVSEA	03/99	C/FFP	UNKNOWN	12/99	06/01	YES					

# D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 18 PAGE NO. 3

<sup>\*</sup> Delivery dates shown are for complete Destructor MK 57. Final delivery includes successful completion of lot acceptance testing, explosive loading of cases and production of Firing Devices MK 35 by NSWC, Indian Head Division.

MK 57 BOMBLET  UNKNOWN  10  15  25  0  3  18  12  21  MP-3 DEVICE  UNKNOWN  20  30  40  0  3  18  12  21  10  10  10  10  10  10  10  10	TION DEVICES  Unit of Measure EACH  EACH  999  MR YEAR 1999  M J J A S
Manufacturer's Name and Location   MSR   1-8-5   MAX   to Oct 1   Oct 1   Oct 1   Mfg PLT   Mfg PLT   Total MK 57 BOMBLET   UNKNOWN   10   15   25   0   3   18   12   21	EACH  SP99  AR YEAR 1999  M J J A S
Name and Location   MSR   1-8-5   MAX   to Oct 1   Oct 1   Mfg PLT   Mfg PLT   Total MK 57 BOMBLET   UNKNOWN   10   15   25   0   3   18   12   21	EACH  SP99  AR YEAR 1999  M J J A S
MP-3 DEVICE UNKNOWN 20 30 40 0 3 18 12 21  ITEM / MANUFACTURER F S Q D B 1997	999 AR YEAR 1999 M J J A S
TEM/MANUFACTURER	999 AR YEAR 1999 M J J A S
ITEM / MANUFACTURER	AR YEAR 1999 M J J A S
ITEM / MANUFACTURER	AR YEAR 1999 M J J A S
Y V T E A O N D J F M A M J J A S O N D J F M A M	M J J A S
C Y L L C O E A E A P A U U U E C O E A E A P A T V C N B R R Y N L G P T V C N B R R Y	
MK57 BOMBLET/TOLO INC* 98 EA 110 0 110 A A A A A A A A A A A A A A	
MK57 BOMBLET/UNKNOWN* 00 EA 131 0 131	
MP-3 DEVICE/NOC/IHDIV 98 EA 190 0 190 A	
MP-3 DEVICE/UNKNOWN 99 EA 210 0 210 A A MP-3 DEVICE/UNKNOWN 00 EA 125 0 125	1
Y V T E A O N D J F M A M J J A S O N D J F M A M A M A M A M A M A M A M A M A M	M J J A S A U U U E
MK57 BOMBLET/TOLO INC* 98 EA 110 0 110 19 19 19 19 11 13 1 17 17 17 17 17 17 17 17 17 17 17 10 6	6
MK57 BOMBLET/UNKNOWN* 00 EA 131 0 131 A	11 11 11 11
MK57 BOMBLET/UNKNOWN* 01 EA 140 0 140	
MP-3 DEVICE/NOC/IHDIV 98 EA 190 0 190 32 32 32 31 31	
MP-3 DEVICE/UNKNOWN 99 EA 210 0 210 18 18 18 18 18 18 18 18 18 18 18 18 18	
MP-3 DEVICE/UNKNOWN         00         EA         125         0         125         A         Image: Control of the	11 11 11 11

\*Delivery dates shown are for complete Destructor MK 57. Final delivery includes successful completion of lot acceptance testing, explosive loading of cases and production of Firing Devices MK 35 by NSWC IHDIV.

Previous editions are obsolete

FY 1998/99 BUDGET PRODU	CTION	SCHE	DULE	, P-2	1													DA	TE		F	ebr	uary	/ 199	99					
APPROPRIATION/BUDGET AN PROCUREMENT OF AMMU			AVY/N	IARII	NE C	ORF	es						Wea	apor	Sys	stem	1	P-1	ITE					ΓUR LIZ/		N D	EVI	CES	3	
							Pro	duct	ion l	Rate	;				Pro	cure	mei	nt Le	adti	mes										
ltem							MSR 1-8-5 MAX		to	T P Oc		Oct 1		Initial Mfg PLT			Reorder Mfg PLT			Total		ıl	Unit of Measur							
MK 57 BOMBLET	UNKN	UNKNOWN 1						15		25		0	0		3	3		18			12			21			EACH			
MP-3 DEVICE	UNKNOWN					20 30 40		0 3			18		12			21			EACH											
ITEM (MANUE A OT LIDED	FISCAL YEA													FISC		EAR														
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C T	2001 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN*	00 01 02 03	EA EA EA	131 140 151 152	0	87 140 151 152	11	11	11 A	11	11	11	11	10	12	12	12	12	12	12	12 A	12	12	12	10	10	13	13	13	13	0 0 99 0
MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN	00 01 02 03	EA EA EA	125 125 112 111	72 0 0 0	53 125 112 111			A						11	11	11	11	11	11	11 A	11	11	11	10	5	10	10	10	10	0 0 72
ITEM / MANUFACTURER	F	S	Q	D	В		2003			FISC	CAL Y	CEAR 2004 CALENDAR YEAR 2004				·					YEAR 2005 SALENDAR YEAR 20				2005					
	Y	V C	T Y	ш	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN* MK57 BOMBLET/UNKNOWN*	02 03 04 05	EA EA EA	151 152 151 153	52 0 0	99 152 151 153	13	13	13 A	13	13	13	11	10	13	13	13	13	13	13	13 A	13	13	13	11	11	14	14	14	14	0 0 95 0
MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN MP-3 DEVICE/UNKNOWN	02 03 04 05	EA EA EA	112 111 112 112	40 0 0 0	72 111 112 153	10	10	10 A	10	10	10	6	6	10	10	10	10	10	10	10 A	10	10	10	6	5	10	10	10	10	0 0 72 0

Remarks: \*Delivery dates shown are for complete Destructor MK57. Final delivery includes successful completion of lot acceptance testing, explosive loading of cases and production of Firing Devices MK35 by NSWC IHDIV.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST 311 / 244 ITEM NO 18 PAGE 5

## **CLASSIFICATION:**

	В	UDGET	ITEM JUST	<b>FIFICATION</b>	SHEET			DATE:				
		P-40								F	ebruary 199	<del>9</del> 9
APPROPRIATION/BUDG	GET ACTIVI	TY				P-1 ITEM NO	MENCLATURE					
PROCUREMENT OF	F AMMUN	IITION,	NAVY & MA	ARINE CORI	PS		Ar	nmunition l	ess than \$5	million (Y1	Q6)	
Program Element for Co	de B Items:					Other Related	Program Elen	nents				
	Prior	ID									То	
	Years*	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)		Α			\$2.2	\$1.3	\$1.4	\$1.4	\$1.4	\$1.4	Continuing	Continuning
D : : E\/ 00000 M :			dan dan banadhan	( A '' I	1 ØF 111							

Beginning FY 2000 Marine Location Markers is under the heading of Ammunition less than \$5 million

## Marine Location Markers

These items include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist locating sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations which require a "marked spot" on the water surface, including man-overboard drills. The MK 58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes which is visible for at least three miles under normal operating conditions. The MK 25 is designed to launch from aircraft (primary) or surface craft to provide day/night reference-points in marking the course of enemy contacts. It is suitable for any type sea surface reference point marking that calls for both smoke and flame for approximately fifteen minutes.

The current budget profile provides funding for support efforts (PES, ILS), procurement of non-standard items, renovation components, and product improvement programs (PIPs) for future procurements. Funds for PIP are required to: complete design and testing for electirc match to replace the Squib, and design and incorporate an arming switch as an additional safety feature in each marker configuration. Some minor hardware/material changes will be made at the same time for cost and ease of manufacture considerations.

The significant increase in funding from FY 1998 to FY 1999 and out is associated with the procurement of new MK 58 units.

\*Reflects FY95 only, these programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement Navy (OPN) accounts.

FY 98/99 and prior funded under the Procurement of Ammunition, Navy and Marine Corp (PANMC) Line Item 9, Marine Location Markers.

FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 NAVY RESERVE (FY99-05 is below 26K) \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 19

PAGE NO. 1

**UNCLASSIFIED** 

DD Form 2454, JUN 86

CLASSIFICATION: UNCLASSIFIED

BUDG	SET ITE	M JUSTIF	ICATION SI		GGREGAT	ED ITEMS		DATE:						
			P-4	0a		T		February 1	999					
APPROPRIATION/BUD						P-1 ITEM NO	MENCLATUR							
PROCUREMENT OF A			& MARINE CO	RPS (\$000's)			Aı	mmunition less than \$5 million (Y1Q6)						
	ID	Prior									То			
Procurement Items	Code	Years*	FY 1998*	FY 1999*	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total		
Marine Location Mark	ers													
MK 58 MLM	Α										Continuing	Continuing		
Quantity					6323	2277	2161	2191	2394	2438	<u> </u>			
Funding					\$1,143.0	\$419.0	\$405.0	\$419.0	\$469.0	\$489.0				
Other Costs					\$1,083.0	\$923.0	\$954.0	\$965.0	\$944.0	\$952.0				
Total P-1 Funding					\$2,226.0	\$1,342.0	\$1,359.0	\$1,384.0	\$1,413.0	\$1,441.0	Continuing	Continuing		
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<u> </u>														
*FY 98/99 and prior funded	d under the	Procuremen	t of Ammunition,	Navy and Marin	e Corp (PANMO	C) Line Item 9, M	arine Location N	Markers.						
DD Form 2454. JUN 86				P-1 SHOPPI	NG LIST		CLASSIFICA	TION:						

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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